



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 162806

TO: Ulrike Winkler
Location: REM/3A39/3C18
Art Unit: 1648
Monday, August 22, 2005

Case Serial Number: 09/394264

From: Edward Hart
Location: Biotech-Chem Library
REM-1A55
Phone: 571-272-2512

edward.hart@uspto.gov

Search Notes

Examiner Winkler,

Here are the results of the search you requested.

Please feel free to contact me if you have any questions.

Edward Hart

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STIC-Biotech/ChemLib

162805

From: Winkler, Ulrike
Sent: Wednesday, August 17, 2005 4:24 PM
To: STIC-Biotech/ChemLib

STIC,

Please do a sequence search of SEQ ID NO:1 of application No 09/394264. Please include the interference files as well.

Thanks, Ulrike

Ulrike Winkler, Ph.D.
Patent Examiner, Art Unit 1648
Remsen 3A39 / Mail Box 3C18
tel. 571-272-0912
fax. 571-273-0912

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2- _____
Date Searcher Picked up: 8/19/05
Date Completed: _____
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: 1 AA#: _____
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other(Specify): _____

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STIC SEARCH RESULTS FEEDBACK FORM

Biotech-Chem Library

Questions about the scope or the results of the search? Contact *the searcher or contact:*

Mary Hale, Information Branch Supervisor
Remsen Bldg. 01 D86
571-272-2507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 1610

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg.



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Result No.	Score	Query Match	Length	DB	ID	Description	
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2	2534	100.0	2534	9	AF006740	Homo sapi	
3	2534	99.9	2534	6	CQ729693	Sequence	
4	2532.4	99.9	2534	6	AR532936	Sequence	
5	2407.6	95.0	2687	6	CQ841744	Sequence	
6	2407.6	95.0	2687	9	AK123362	Homo sapi	
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8	2028.8	80.1	2403	6	BD172733	Secreted	
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18	2028.8	80.1	2403	6	AX697635	Sequence	
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	CTGC	CTGC
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	CTGC	CTGC

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ORIGIN

[illegible]

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RESULT 5
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 DEFINITION Sequence 391 from Patent EP1440981.
 ACCESSION CQ841744
 VERSION CQ841744.1 GI:50893531
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Isogai, T., Sugiyama, T., Otsuki, T., Wakamatsu, A., Sato, H., Ishii, S.,
 Yamamoto, J., Isono, Y., Negai, K. and Irie, R.
 TITLE Full-length human cdna
 JOURNAL Patent: EP 1440981-A 391 28-JUL-2004;
 Research Association for Biotechnology (JP)
 FEATURES Location/Qualifiers

source 1. 2687
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 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"
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 Query Match 95.0%; Score 2407.6; DB 6; Length 2687;
 Best Local Similarity 97.4%; Pred. No. 0;
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 Qy 84 GGCTCGGTGTGTCTGCTGCTGCTGCCGGGCCCGGGGAGGAGGGA----- 134
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 Qy 409 CTGCTTCTTTCACAGTAACCTAAAGGCAAAAGTAGTATACAGAGGGCCACAGGCAAGCAG 468
 Db 563 CTGCTTCTTTCACAGTAACCTAAAGGCAAAAGTAGTATACAGAGGGCCACAGGCAAGCAG 622
 Qy 469 TGTCCACAGCACATCCACCAACAGGTAAACGACTAAAGAAACACCCGAGAAAGAAACTG 528
 Db 623 TGTCCACAGCACATCCACCAACAGGTAAACGACTAAAGAAACACCCGAGAAAGAAACTG 682
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 Qy 589 AGCGCCGATTTAATTTACAGAGAAATTTGTTGGAAAGTGGCTCTAATGTTGGGAATTTG 648
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 Qy 769 GAGGGGATTTTCAATATACAGGAAGCCCTTGAAGCATATCTGCTCAGAAATTTCTCACGG 828
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 Db 1043 CTTCTGATGACATCGAGGAAGCAGGATTTGTGCCACAGAGATTTGTGTCAATGATTTTA 1102

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QY	1009	TTGACAAAGGCTGTCTGTGCGAAATAATGGCTTCTCTCTACCAATGCGCCCACTGGTTTG	1068
Db	1163	TTGACAAAGGCTGTCTGTGCGAATAATGGCTTCTCTCTACCAATGCGCCCACTGGTTTG	1222
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Db	1223	GCACCAAAATACG- AAAGCCTCTGGTACAGAAGCTGTGCATCTCATGAACAAATGATGT	1281
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Db	1282	GCAGCAAGCTGTATTAACCTAGTGAACATTTGCCCTTCTAATTTGATGGCTCAGCAGTG	1341
QY	1189	TTGGAGATAGCAATTTCCGGCTCATGCTTGAATTTGTTTCCACATAGCCAGCACTTTTG	1248
Db	1342	TTGGAGATAGCAATTTCCGGCTCATGCTTGAATTTGTTTCCACATAGCCAGCACTTTTG	1401
QY	1249	AAATCTGGACATTTGGTCCAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCAGG	1308
Db	1402	AAATCTGGACATTTGGTCCAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCAGG	1461
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Db	1522	GCTATATGAGTGGTGAACAGCTACTGCTGATGCCAATTTCTTCACTGTTAGAAAATGTT	1581
QY	1429	TTGGCCCTATAAGGAGAGCCCCAACAAAGAACTTCCCTAGTAAATTTGTACAGATGGCAGT	1488
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QY	2269	GTGTTTTCATAACAACCTATGACTAAAATATACACTGAATAAGAGCAGGATTGCCA	2328
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QY	2329	GGTATTTTCTATTTCTCTCTTAATTTTATATGATATATATATATTTGGCTTATATTC	2388
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AK123362			
LOCUS			
DEFINITION			
Homo sapiens cDNA FLJ41368 fis, clone BRCAN200603, highly similar to COCHLIN PRECURSOR.			
ACCESSION			
AK123362			
VERSION			
AK123362.1 GI:34529889			
KEYWORDS			
Oligo capping; fis (full insert sequence).			
SOURCE			
Homo sapiens			
ORGANISM			
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
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Tanigami, A., Fujiwara, T., Shibahara, T., Goto, Y., Hirao, M., Shimizu, F., Wakebe, H., Ono, T., Hishigaki, H., Watanabe, T., Ozaki, K., Sugiyama, T., Irie, R., Otsuki, T., Sato, H., Wakamatsu, A., Ishii, S., Yamamoto, J., Isono, Y., Kawai-Hio, Y., Saito, K., Nishikawa, T., Kimura, K., Yamashita, H., Matsuo, K., Nakamura, Y., Sekine, M., Kikuchi, H., Kanda, K., Wagatsuma, M., Murakawa, K., Kanehori, K., Takahashi-Fujii, A., Oshima, A., Sugiyama, A., Kawakami, B., Suzuki, Y., Sugano, S., Nagahari, K., Masuho, Y., Nagai, K. and Isogai, T.			
NEDO human cDNA sequencing project			
Unpublished			
2			
(bases 1 to 2687)			
Isogai, T. and Yamamoto, J.			
Direct Submission			
Submitted (15-JUL-2003) Takao Isogai, FLJ Project (HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0818, Japan			
(E-mail: genomics@hri.co.jp, Tel: 81-438-52-3975, Fax: 81-438-52-3986)			
NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and			

RAB; annotation: HRI and RAB.					
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	/clone_lib="BRCAN2"				
	/note="cloning vector: pME18SFL3"				
	ORIGIN				
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QY	84	GGCCTCGGTGTGTCTGTCTGTCTGCTGCTCCGGGGCCCGCGGACCGAGGGA-----	134		
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QY	135	-----GCCGCTCCCAATTGCTATCACAATGTTTACCGAGAG	168		
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QY	169	GCTTGGACATCAGGAAGAGACAGATGCTCTCTGCCCAAGGGGCTGCCCTTTGAGG	228		
Db	323	GCTTGGACATCAGGAAGAGAGACAGATGCTCTCTGCCCAAGGGGCTGCCCTTTGAGG	382		
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QY	289	TCACAGGGGAGTAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCTTACCTTGGTC	348		
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QY	349	GAGAAACTATTCTCAGTAGATGCCAATGGCATTCAGTCTCAATGCTTTCTAGATGGT	408		
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QY	589	AGCGCGGATTTAATTACAGAGAAATTTTGTGAAAGTGCGTCTAATGTCGGGAATTG	648		
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2002		AGCACTCTTTTAAAGCCGCTGCTCTGTGTTTCAATTTTACAGTGTACTTTGTTTAAACA	2061		
1909		CTGCTGAGGCTTCTAATCATGTGCTCTTAGAACTCAGGAAAGAGAGATTAATGTGATTT	1968		

Db	2062	CTGCTGAGGCTTCATAATCATGGCTCTTAGAAACTCAGGAAAGGAGATAATGTGGATT	2121
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DEFINITION	Secreted and transmembrane polypeptides and nucleic acids encoding the same.		
ACCESSION	BD172414		
VERSION	BD172414.1	GI:28413714	
KEYWORDS	JP 200223786-A/187.		
SOURCE	Homo sapiens (human)		
ORGANISM	Homo sapiens		
REFERENCE	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
AUTHORS	Wood, W.I., Gurney, A.L., Goddard, A., Pennica, D., Zheng, J. and Yuan, J.		
TITLE	Secreted and transmembrane polypeptides and nucleic acids encoding the same		
JOURNAL	Patent: JP 200223786-A 187 13-AUG-2002;		
COMMENT	GENENTECH INC		
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	PD	13-AUG-2002	
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		17-SEP-1997 US 60/059119, 17-SEP-1997 US 60/059263	PR
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WILLIAM I WOOD, AUSTIN L GURNEY, AUDREY GODDARD, DIANE PENNICA, PI		
JIAN ZHENG,		
PI JEAN YUAN		
PC	C12N15/09, C07K14/47, C07K16/18, C07K19/00, C12N1/19, C12N1/21, PC	
PC	C12N5/10,	
CC	C12P21/02, C12P21/08, (C12P21/02, C12R1:19), (C12P21/02, C12R1:91), PC	
CC	(C12P21/02, C12R1:645), C12N15/00, C12N5/00	
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JIAN ZHENG,			
PI JEAN YUAN			
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QY 84	GGCTCTCGTGTGTCTGCTGCTGCTGCGGGGCGCGGCGAGCGAGCGGCTCC 143		
DB 423	GGCTCTCGTGTGTCTGCTGCTGCTGCGGGGCGCGGCGAGCGAGCGGCTCC 482		
QY 144	ATTGCTATCAGTGTATTTACAGAGGCTTGACATCAGGAAGAGAAAGCAGATGCTCTC 203		
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QY 204	TGCCCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTATGGGAAACATGATATATGCTTCT 263		
DB 543	TGCCCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTATGGGAAACATGATATATGCTTCT 602		
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Wood, W.I., Gurney, A.L., Goddard, A., Pennica, D., Zheng, J. and
Yuan, J.
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17-SEP-1997 US 60/059113, 17-SEP-1997 US 60/059121 PR
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WILLIAM J. WOOD, AUSTIN L. GURNEY, AUDREY GODDARD, DIANE PENNICA, PI
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Secreted and transmembrane polypeptides and nucleic acids
encoding the same Location/Qualifiers
FH Key

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	1344	GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGTGGGAACAGTACTGTGTATGCC	1403		
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	1404	ATTTCTCTCACTGTTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAGAACTTC	1463		
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	1764	TGTAATTTCTCATATCTGGAATGCTTTTACATAGTAATCAGATACAAACTATTAAAGT	1823		
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	1824	ATGTCAACAGCCATTTAGGCAATATAGCACTCTCTTTAAAGCCGCTGCCCTCTGGTTACAA	1883		
Db	2163	ATGTCAACAGCCATTTAGGCAATATAGCACTCTCTTTAAAGCCGCTGCCCTCTGGTTACAA	2222		
	1884	TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT	1943		
Db	2223	TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT	2282		
	1944	CAGGAAGAGGAGATAATGTTGATTTAAACCTTTAGAGTTCTTAACCATGCTTACTAAATG	2003		
Db	2283	CAGGAAGAGGAGATAATGTTGATTTAAACCTTTAGAGTTCTTAACCATGCTTACTAAATG	2342		
	2004	TACAGATATGCAAAATTCATAGCTCAATAAAGATCTGTACTTGTAGACCAAAAGCAACA	2063		

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|||||

RESULT 11

BD175405

LOCUS

DEFINITION

BD175405 2403 bp DNA linear PAT 18-MAR-2003

Secretary and transmembrane polypeptide and nucleic acid encoding

the same.

BD175405

BD175405.1 GI:29121101

KEYWORDS

JP 2002253280-A/187.

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 2403)

Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and

Yuan,J.

SECRETORY

SECRETORY and transmembrane polypeptide and nucleic acid encoding

the same

JOURNAL

PATENT: JP 2002253280-A 187 10-SEP-2002;

GENENTECH INC

OS Homo sapiens (human)

PN JP 2002253280-A/187

PD 10-SEP-2002

PR 18-DEC-2001 JP 2001385319 60/059115,17-SEP-1997 US 60/059184 PR

PR 17-SEP-1997 US 60/059122,17-SEP-1997 US 60/059117 PR

17-SEP-1997 US 60/059123,17-SEP-1997 US 60/059121 PR

17-SEP-1997 US 60/059119,18-SEP-1997 US 60/059263 PR

18-SEP-1997 US 60/059266,15-OCT-1997 US 60/062125 PR

17-OCT-1997 US 60/062287,17-OCT-1997 US 60/062285 PR

21-OCT-1997 US 60/063486,24-OCT-1997 US 60/062816 PR

24-OCT-1997 US 60/062814,24-OCT-1997 US 60/063127 PR

24-OCT-1997 US 60/063120,24-OCT-1997 US 60/063121 PR

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27-OCT-1997 US 60/063329,27-OCT-1997 US 60/063327 PR

28-OCT-1997 US 60/063549,28-OCT-1997 US 60/063541 PR

28-OCT-1997 US 60/063550,28-OCT-1997 US 60/063542 PR

28-OCT-1997 US 60/063544,28-OCT-1997 US 60/063564 PR

29-OCT-1997 US 60/063734,29-OCT-1997 US 60/063738 PR

29-OCT-1997 US 60/063704,29-OCT-1997 US 60/063435 PR

29-OCT-1997 US 60/064215,29-OCT-1997 US 60/063735 PR

29-OCT-1997 US 60/063732,31-OCT-1997 US 60/064103 PR

31-OCT-1997 US 60/063870,03-NOV-1997 US 60/064248 PR

07-NOV-1997 US 60/064809,12-NOV-1997 US 60/065186 PR

17-NOV-1997 US 60/065846,18-NOV-1997 US 60/065693 PR

21-NOV-1997 US 60/066120,21-NOV-1997 US 60/066364 PR

24-NOV-1997 US 60/066772,24-NOV-1997 US 60/066466 PR

24-NOV-1997 US 60/066770,24-NOV-1997 US 60/066511 PR

24-NOV-1997 US 60/066453,25-NOV-1997 US 60/066840 PI

WILLIAM I WOOD,AUSTIN L GURNEY,AUDREY GODDARD,DIANE PENNICA, PI

JIAN ZHENG,

PI JEAN YUAN

PC C12N15/09,A61K45/00,A61P1/00,A61P13/12,A61P17/00,A61P17/06, PC

A61P25/00,

PC A61P25/16,A61P25/28,A61P31/12,A61P35/00,C07K14/47,C07K16/18,

PC C07K19/00,

PC C12N1/19,C12N1/21,C12N5/10//A61K38/00,A61K39/395,A61K39/395,

PC A61P43/00,

PC C12P21/08,(C12N1/19,C12R1:645),(C12N1/21,C12R1:19),(C12N5/10,

PC C12R1:91),

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SECRETORY and transmembrane polypeptide and nucleic acid CC

encoding the same

FH Key Location/Qualifiers

FT source 1..2403 /organism="Homo sapiens (human)".

FT Location/Qualifiers

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Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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DB 363 TCTCTCCAGGTGTGAGCAGCGCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 422

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DB 423 GGCCTCGGTGTGTCTGCTGCTGCGGGGCCCGGGCAGCGAGGAGCGCTCCC 482

QY 144 ATTGCTATCACATGTTTACAGAGGCTTGACATCAGGAAAGAGAAAGCAGATGTCCTC 203

DB 483 ATTGCTATCACATGTTTACAGAGGCTTGACATCAGGAAAGAGAAAGCAGATGTCCTC 542

QY 204 TCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTATGGGAACATAGTATATGCTTCT 263

DB 543 TCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTATGGGAACATAGTATATGCTTCT 602

QY 264 GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGAGTAAATCAGCAACTCAGGGGACCT 323

DB 603 GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGAGTAAATCAGCAACTCAGGGGACCT 662

QY 324 GTACAGTCTATAGCTTACCTGGTTCGAGAAACATTTCTCAGTAGATGCCAATGGCATC 383

DB 663 GTACAGTCTATAGCTTACCTGGTTCGAGAAACATTTCTCAGTAGATGCCAATGGCATC 722

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DB 783 ACACAGGAGGCCACAGGCAAGCAGTGTCCAAGCAATCCACCAAGGTAAGACGACTA 842

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Db	1263	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAGAACTG	1322
Qy	984	GGGATGCTCAGAGATGTACATTTGTTGTGACAAGGCTGTCTGTGGAATAATGGCTCTTTC	1043
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Db	1383	TCCTTACCACATGCCCAACTGGTTTGGSCACACAAAAATACGTAAAGCCTCTGTTACAGAG	1442
Qy	1104	CTGTGCACTCATGAACAAATGATGTGCAAGCAAGCCTGTTATAACTCAGTGAACATGGC	1163
Db	1443	CTGTGCACTCATGAACAAATGATGTGCAAGCAAGCCTGTTATAACTCAGTGAACATGGC	1502
Qy	1164	TTTCTTAATTGATGGCTCCAGCAGTGTGTGGAGATAGCAAAATTCGCGCTCATGCTTGAATTT	1223
Db	1503	TTTCTTAATTGATGGCTCCAGCAGTGTGTGGAGATAGCAAAATTCGCGCTCATGCTTGAATTT	1562
Qy	1224	GTTTCCAACTAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCAAGATAGCTGCTGTA	1283
Db	1563	GTTTCCAACTAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCAAGATAGCTGCTGTA	1622
Qy	1284	CAGTTTACTTATGATCAGGCCAGCGAGTTCAGTTTTCACTGATATAGCAACCAAGAGAAAT	1343
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Qy	1344	GTCTTAGCTGTCAACAGAAACATCCGCTATATAGTGGTGGAAACAGTACTGTGATGCC	1403
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Db	1743	ATTTCTCTTCACTGTTTAGAAATGTGTTTGGCCCTATAAGGAGAGAGCCCAACAAAGACTTC	1802
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Qy	1644	TTAGAACCAATTTGTTCTGATGTCAATCAGAGCAATTTGTAGAGATTTCTTAGATCCAG	1703
Db	1983	TTAGAACCAATTTGTTCTGATGTCAATCAGAGCAATTTGTAGAGATTTCTTAGATCCAG	2042
Qy	1704	CAATATGTGAACATTTTGAACAATCTGAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT	1763
Db	2043	CAATATGTGAACATTTTGAACAATCTGAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT	2102
Qy	1764	TGTAATCTCATTAATCTGAAATGCTTTTAGCACTACTAGAAATCAGATACAAACTAATTAAGT	1823
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Db 843 AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAGCAGACATTCGATTTCTG 902
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Db 903 ATTGATGGAAGCTTTAATATTTGGCAGCGCGGATTTAATTACAGAAGATTTTGTGGA 962
Qy 624 AAGTGGCTCTAATGTTGGCAATTTGGAACAGAGGACCAATGTGGGCCCTTTGTTCAAGCC 683
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Qy 1944 CAGGAAAGAGGAGATTAATGTGATTAACCTTTAAGAGTTCTAACCATGCTTACTAAATG 2003
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AR473167
LOCUS AR473167 2403 bp DNA linear PAT 20-FEB-2004
DEFINITION Sequence 226 from patent US 686451.
ACCESSION AR473167
VERSION AR473167.1 GI:42708542
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 2403)
AUTHORS Desnoyers, L., Goddard, A., Godowski, P.J., Gurney, A.L., Mather, J.P.,
Williams, P.M., and Wood, W.I.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: US 686451-A 226 03-FEB-2004;
FEATURES Location/Qualifiers
source 1..2403
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ORIGIN
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Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
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Db 603 GTATCAGCATATGTGGGGCTGCTGTCACAGGGGAGTATCAGAACTCAGGGGACCT 662
QY 324 GTACGAGTCTATAGCTTACCTGCTCGAGAAATCTATTCTCAGTAGATGCCATGCATC 383
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QY 1524 CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGACCTCTGGATGACCTG 1583
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RESULT 15

AR527153
LOCUS
DEFINITION
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VERSION
AR527153.1
KEYWORDS
GI:53914070
SOURCE
Unknown.
ORGANISM
Unclassified.
REFERENCE
1 (bases 1 to 2403)
AUTHORS
Ashkenazi, A., Botstein, D., Desnovers, L., Eaton, D.L., Ferrara, N.,
Fildes, B., Fong, S., Gao, W.-Q., Gerber, H., Gerriksen, M.E.,
Goddard, A., Godowski, P.J., Grimaldi, J.C., Gurney, A.L., Hillan, K.J.,
Klavan, I.J., Mather, J.P., Pan, J., Paoni, N.F., Roy, M.A.,
Stewart, T.A., Tamas, D., Williams, P.M. and Wood, W.I.
TITLE
Secreted and transmembrane polypeptides and nucleic acids encoding
the same

JOURNAL Patent: US 6723535-A 226 20-APR-2004;

FEATURES Location/Qualifiers

Source

1. 2403

/organism="unknown"

/mol_type="genomic DNA"

ORIGIN

Query Match 80.1%; Score 2028.8; DB 6; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCGCGAGCCTGGATCCCGGCTCTC 422
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84 GGCCTCGGTGTGTCTGTCTGTCTGCTGCGCGGGCCGCGGGCAGCGAGGAGCGGCTCCC 143
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1203 GTGGTGTATTTATGATGTTGGCTTCTGTATGACATCGAGGAGCAGGCATTTGGGCC 1262
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Db 1263 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCCAAGCCTATCCCTCGAAGAACTG 1322
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Search completed: August 21, 2005, 18:56:56
Job time : 7249 secs



GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 13:51:58 ; Search time 899 Seconds
(without alignments)

16685.900 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactcgggcgcagccgggt.....aactgctagtgagttattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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13: Geneseqn2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2534	100.0	2534	4 AAC90475	Aac90475 Human COC
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ALIGNMENTS

RESULT 1
AAZ99927
ID AAZ99927 standard; DNA; 2534 BP.
XX
AC AAZ99927;
XX
DT 25-JUL-2000 (first entry)
XX
DE cDNA sequence encoding human COCH5B2 polypeptide.
XX
KW COCH5B2; hCOCH5B2; extracellular matrix; fibrillar collagen;
KW hearing disorder; human nonsyndromic sensorineural deafness;
KW vestibular involvement; DFNA9; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
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XX
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XX
PF 29-SEP-1999; 99WO-US022645.
XX
PR 29-SEP-1998; 98US-0102343P.
PR 10-SEP-1999; 99US-0039426A.
XX
PA (BGHM) BRIGHAM & WOMENS HOSPITAL.
XX
PI Morton CC, Robertson NG;
XX WPI; 2000-292953/25.
DR P-PSDB; AAY84405.
XX
PT COCH5B2 nucleic acid molecule and encoded protein, useful for treatment
PT of human nonsyndromic sensorineural deafness with vestibular involvement
PT (DFNA9).
XX

PS Claim 2; Fig 1A; 133pp; English.

XX The present sequence encodes a human COCHS2 (hCOCHS2) polypeptide.
 CC COCHS2 molecules are capable of modulating interactions of components of
 CC the extracellular matrix, e.g. fibrillar collagens. The COCHS2 protein
 CC is expressed in high levels in human foetal cochlea and vestibule. The
 CC protein contains at least one or two von Willebrand factor type A-like
 CC domains, and at least one factor C homologous domain. The hCOCHS2
 CC polypeptides and polynucleotides are useful for treating hearing
 CC disorders, such as human nonsyndromic sensorineural deafness with
 CC vestibular involvement (DFNA9)

XX Sequence 2534 BP; 774 A; 498 C; 557 G; 705 T; 0 U; 0 Other;

Query Match 100.0%; Score 2534; DB 3; Length 2534;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB	61	CCGACGCTCGATCCCGGCTCTCGGCTCGGTGTGTCTGTCTGCTGCCGGGCGCG	120
QY	121	CGGCGACGAGGAGCGCTCCCATTTGCTATCATGTTTTTACAGAGCTTGGACATCA	180
DB	121	CGGCGACGAGGAGCGCTCCCATTTGCTATCATGTTTTTACAGAGCTTGGACATCA	180
QY	181	GGAAGAGAAAGCAGATGCTCTGCCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGT	240
DB	181	GGAAGAGAAAGCAGATGCTCTGCCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGT	240
QY	241	ATGGGAACATAGTATGCTTCTGTATCGAGCATATGTGGGGTGTCTCCACAGGGGAG	300
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QY	301	TAATCAGCAACTCAGGGGAGCTGTAGAGTCTATAGCCTACCTGTGCGAGAAACTATT	360
DB	301	TAATCAGCAACTCAGGGGAGCTGTAGAGTCTATAGCCTACCTGTGCGAGAAACTATT	360
QY	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAATATGCTTCTAGATGCTCTGCTTTTCA	420
DB	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAATATGCTTCTAGATGCTCTGCTTTTCA	420
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DB	421	CAGTAACCTAAGGCAAAAGTAGTACACAGAGGCGCACAGCAAGCAGTGTCCACAGCAC	480
QY	481	ATCCACCAACAGGTAAACGACTAAGAAACACCCGAGAGAAACTGGCAATTAAGATT	540
DB	481	ATCCACCAACAGGTAAACGACTAAGAAACACCCGAGAGAAACTGGCAATTAAGATT	540
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DB	661	CACATGTGGGCTTGTTCAGGCCAGTGAACATCCCAAAATAGAAATTTACTTGAAGAACT	720
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DB	721	TTACATCAGCCAAAGATGTTTTTGTCCATAAAGGAAGTAGGTTTCAGAGGGGGTAATT	780
QY	781	CCAATACAGGAAAGCCCTTGAAGCATATCTGCTCAGAAATCTTCCCGGTAGATGCTGGAG	840
DB	781	CCAATACAGGAAAGCCCTTGAAGCATATCTGCTCAGAAATCTTCCCGGTAGATGCTGGAG	840

QY	841	TAAGAAAAGGATCCCAAAGTGGTGGTATTTATTTGATGCTTGGCTTCTGATGACA	900
DB	841	TAAGAAAAGGATCCCAAAGTGGTGGTATTTATTTGATGCTTGGCTTCTGATGACA	900
QY	901	TCGAGGAAGCAGGCAATTTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTCTGTGG	960
DB	901	TCGAGGAAGCAGGCAATTTGGCCAGAGAGTTTGGTGTCAATGTATTTATAGTTCTGTGG	960
QY	961	CCAAAGCTATCCCTGAAGAACTGGGATGGTTCAGGATGTCAATTTGTTGCAAGGCTG	1020
DB	961	CCAAAGCTATCCCTGAAGAACTGGGATGGTTCAGGATGTCAATTTGTTGCAAGGCTG	1020
QY	1021	TCGTGCGGAATAATGGCTTCTTCTTACACATGCCCAACTGGTTTGGCCACCACAAAT	1080
DB	1021	TCGTGCGGAATAATGGCTTCTTCTTACACATGCCCAACTGGTTTGGCCACCACAAAT	1080
QY	1081	ACGTTAAAGCTCTCGGTACAGAACTGTGCACCTCATGAACAAATGATGTGCAAGAGCT	1140
DB	1081	ACGTTAAAGCTCTCGGTACAGAACTGTGCACCTCATGAACAAATGATGTGCAAGAGCT	1140
QY	1141	GTATAACTCAGTGAACATTTGCTTCTAAATTTGATGGCTCCAGCAGTGTGGAGATAGCA	1200
DB	1141	GTATAACTCAGTGAACATTTGCTTCTAAATTTGATGGCTCCAGCAGTGTGGAGATAGCA	1200
QY	1201	ATTTCCGCTCATGCTTGAATTTTCCAAATAGCCAAAGACTTTTGAATCTCGGACA	1260
DB	1201	ATTTCCGCTCATGCTTGAATTTTCCAAATAGCCAAAGACTTTTGAATCTCGGACA	1260
QY	1261	TTGGTGGCAAGATAGCTGTGTACAGTTTACTTATGATCAGCGCACGGAGTTCACTTTCA	1320
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QY	1321	CTGACTATAGCAACAAAGAAATGTCCTAGCTGTCTCATCAGAAACATCCGCTATATAGTG	1380
DB	1321	CTGACTATAGCAACAAAGAAATGTCCTAGCTGTCTCATCAGAAACATCCGCTATATAGTG	1380
QY	1381	GTGGAAACAGTACTGCTGTATGCTTCTTCTTACCTGTAGAAATGTTTGGCCCTATAA	1440
DB	1381	GTGGAAACAGTACTGCTGTATGCTTCTTCTTACCTGTAGAAATGTTTGGCCCTATAA	1440
QY	1441	GGGAGAGCCCAACAAAGAACTTCTTCTAGTAATTTGTACAGATGGGCGAGTCTCATGATG	1500
DB	1441	GGGAGAGCCCAACAAAGAACTTCTTCTAGTAATTTGTACAGATGGGCGAGTCTCATGATG	1500
QY	1501	TCGAAGGCTCAGCTGCTGCAATGATGAGGATCACTATCTTCTGTTGGTGGG	1560
DB	1501	TCGAAGGCTCAGCTGCTGCAATGATGAGGATCACTATCTTCTGTTGGTGGG	1560
QY	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT	1620
DB	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT	1620
QY	1621	TCCTTCAAGAGAGTTTCAAGATTAGAAACCAATTTTCTGATGTCAATCAGAGGCAATTT	1680
DB	1621	TCCTTCAAGAGAGTTTCAAGATTAGAAACCAATTTTCTGATGTCAATCAGAGGCAATTT	1680
QY	1681	GTAGAGATTTCTTAGAATCCCGAGCAATATGCTTAACATTTTCACACTGAAAGAAAGT	1740
DB	1681	GTAGAGATTTCTTAGAATCCCGAGCAATATGCTTAACATTTTCACACTGAAAGAAAGT	1740
QY	1741	ACAAGGGATCCAGTGTGTAAATTTGATTTCTTAATCTGAAATGCTTTAGCATACTAG	1800
DB	1741	ACAAGGGATCCAGTGTGTAAATTTGATTTCTTAATCTGAAATGCTTTAGCATACTAG	1800
QY	1801	AATCAGATCAAAACTATTAACTATGTCAACGCAATTTAGGCAATAAGCACTCTCTTTA	1860
DB	1801	AATCAGATCAAAACTATTAACTATGTCAACGCAATTTAGGCAATAAGCACTCTCTTTA	1860
QY	1861	AAGCGCTGCTTCTGTTTACAAATTTACAGTGTCTTTGTGTAAACACATGCTGAGGCTT	1920
DB	1861	AAGCGCTGCTTCTGTTTACAAATTTACAGTGTCTTTGTGTAAACACATGCTGAGGCTT	1920

Qy 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGAGATAATGTGGATTAAACCTTTAAGA 1980
 Db |||||||
 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGAGATAATGTGGATTAAACCTTTAAGA 1980
 Qy 1981 GTTCTAACCATGCTTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
 Db |||||||
 1981 GTTCTAACCATGCTTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
 Qy 2041 TGATACCTTAGACCAAAAGCAACATTCGTTCTCTAAACCATTCGTATTGATTATATAGCA 2100
 Db |||||||
 2041 TGATACCTTAGACCAAAAGCAACATTCGTTCTCTAAACCATTCGTATTGATTATATAGCA 2100
 Qy 2101 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAGGTACACATATTT 2160
 Db |||||||
 2101 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAGGTACACATATTT 2160
 Qy 2161 TGACCCCAAGTGGATATTTCTTAAACCAATCAATATAGCTATTTACTGCAGACTA 2220
 Db |||||||
 2161 TGACCCCAAGTGGATATTTCTTAAACCAATCAATATAGCTATTTACTGCAGACTA 2220
 Qy 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATA 2280
 Db |||||||
 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAACTGCTTTTGTAGTGTGTTTTCATA 2280
 Qy 2281 CAACCTATGACTAAAAATATCACACTGAATAAGAGACAGGATTTGCCAGGTATTTTCTA 2340
 Db |||||||
 2281 CAACCTATGACTAAAAATATCACACTGAATAAGAGACAGGATTTGCCAGGTATTTTCTA 2340
 Qy 2341 TTTCTCTCCTTAATTTAT 2400
 Db |||||||
 2341 TTTCTCTCCTTAATTTAT 2400
 Qy 2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTTACTGACTGCTTTATAAATTTAAAGACAAA 2460
 Db |||||||
 2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTTACTGACTGCTTTATAAATTTAAAGACAAA 2460
 Qy 2461 GACATTTCAATTAACCTCAGAAAAAATATTTGTAGTTTGAATATTTAAGCAATATAAAGCTGC 2520
 Db |||||||
 2461 GACATTTCAATTAACCTCAGAAAAAATATTTGTAGTTTGAATATTTAAGCAATATAAAGCTGC 2520
 Qy 2521 TAGTGAGTTATTTGT 2534
 Db |||||||
 2521 TAGTGAGTTATTTGT 2534

RESULT 2
 AAC90475
 ID AAC90475 standard; cdna; 2534 BP.
 XX
 AC AAC90475;
 XX
 DT 13-MAR-2001 (first entry)
 XX
 DE Human COCH5B2 cdna.
 XX
 KW Human; COCH5B2; Meniere disease; auditory; ss.
 XX
 OS Homo sapiens.
 XX
 PN WO200071081-A2.
 XX
 PD 30-NOV-2000.
 XX
 PF 26-MAY-2000; 2000WO-US014619.
 XX
 PR 26-MAY-1999; 99US-0136008P.
 XX
 PA (BGHM) BRIGHAM & WOMENS HOSPITAL.
 XX
 PI Robertson N, Morton C, Van Camp G, Franssen E, Van De Heyning P;
 DR WPI; 2001-031955/04.
 DR P-PSDB; AAB50429.

XX
 PT Treating a subject at risk for having meniere disease by administering a
 PT nucleic and encoding COCH5B2 protein, the protein, agonist or antibody of
 PT the protein.
 XX
 PS Disclosure; Fig 1; 55pp; English.
 XX
 CC The present sequence is given in a specification relating to a method of
 CC treating a subject at risk of having Meniere disease. The method
 CC comprises administering to a patient a nucleic acid encoding COCH5B2
 CC protein or its fragment, or an agonist of, or antibody specific for,
 CC COCH5B2. Detecting a genetic lesion in the gene encoding COCH5B2 is
 CC useful for diagnosing Meniere disease
 XX
 SQ Sequence 2534 BP; 774 A; 498 C; 557 G; 705 T; 0 U; 0 Other;
 Query Match 100.0%; Score 2534; DB 4; Length 2534;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGCTGTGAGCAGCCTATCAGTCACCATGT 60
 Db |||||||
 1 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGCTGTGAGCAGCCTATCAGTCACCATGT 60
 Qy 61 CGCAGCCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
 Db |||||||
 61 CGCAGCCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
 Qy 121 CGGCGCAGCGAGGAGCGGCTCCCATTTGCTATCATATGTTTACAGAGGCTTGACATCA 180
 Db |||||||
 121 CGGCGCAGCGAGGAGCGGCTCCCATTTGCTATCATATGTTTACAGAGGCTTGACATCA 180
 Qy 181 GGAAGAGAGAAAGCAGATGCTCTGCGCCAGGGGGCTGCGCTCTTGAGGAATTTCTGTGT 240
 Db |||||||
 181 GGAAGAGAGAAAGCAGATGCTCTGCGCCAGGGGGCTGCGCTCTTGAGGAATTTCTGTGT 240
 Qy 241 ATGGGAACTAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTGTCACAGGGGAG 300
 Db |||||||
 241 ATGGGAACTAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTGTCACAGGGGAG 300
 Qy 301 TAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCCTACCTGTGTCGAGAAAACTATT 360
 Db |||||||
 301 TAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCCTACCTGTGTCGAGAAAACTATT 360
 Qy 361 CCTCAGTATGCAATGCGATCCAGTCTCAATGCTTCTAGATGCTGCTCTTTTCA 420
 Db |||||||
 361 CCTCAGTATGCAATGCGATCCAGTCTCAATGCTTCTAGATGCTGCTCTTTTCA 420
 Qy 421 CAGTAACTAAAGCAAAAGTAGTACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAC 480
 Db |||||||
 421 CAGTAACTAAAGCAAAAGTAGTACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAC 480
 Qy 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT 540
 Db |||||||
 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT 540
 Qy 541 GTAAAGCAGACATTTGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 600
 Db |||||||
 541 GTAAAGCAGACATTTGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 600
 Qy 601 ATTTACAGAAAGATTTTGTGGAAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGAC 660
 Db |||||||
 601 ATTTACAGAAAGATTTTGTGGAAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGAC 660
 Qy 661 CACATGTGGGCTTTGTTCAAGCAGTGAACATCCCAAAATAGAAATTTTCTGAAAAAAT 720
 Db |||||||
 661 CACATGTGGGCTTTGTTCAAGCAGTGAACATCCCAAAATAGAAATTTTCTGAAAAAAT 720
 Qy 721 TTACATCAGCAAAAGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 780
 Db |||||||
 721 TTACATCAGCAAAAGATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 780
 Qy 781 CCAATACAGGAAAAAGCCTTTGAAGCATATGCTCAGAAAAATTTCTTACGGTAGATGCTGGAG 840

DR WPI; 2001-031955/04.
DR P-PSDB; AAB50430.

PT Treating a subject at risk for having meniere disease by administering a
PT nucleic and encoding COCH5B2 protein, the protein, agonist or antibody of
PT the protein.

PS Claim 9; Fig 3; 55pp; English.

XX The present sequence is given in a specification relating to a method of
XX treating a subject at risk of having Meniere disease. The method
XX comprises administering to a patient a nucleic acid encoding COCH5B2
XX protein or its fragment, or an agonist of, or antibody specific for,
XX COCH5B2. Detecting a genetic lesion in the gene encoding COCH5B2 is
XX useful for diagnosing Meniere disease

SQ Sequence 2534 BP; 774 A; 497 C; 557 G; 706 T; 0 U; 0 Other;

Query Match 99.9%; Score 2532.4; DB 4; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2533; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGACGAGCCTATCAGTCACCATGT	60
Db	1	GCATCGGGGCGACGCCGGTGGATCTCGAGCAGGTGTGACGAGCCTATCAGTCACCATGT	60
Qy	61	CCGACAGCTGTGATCCCGGCTCTCGGCTCGGTGTGTCTGTCTGTCTGCTGCGGGGCCG	120
Db	61	CCGACAGCTGTGATCCCGGCTCTCGGCTCGGTGTGTCTGTCTGTCTGCTGCGGGGCCG	120
Qy	121	CGGCGACGAGGGAGCGCTCCCATCTATCAATGCTTTTACACAGGCTTGGACATCA	180
Db	121	CGGCGACGAGGGAGCGCTCCCATCTATCAATGCTTTTACACAGGCTTGGACATCA	180
Qy	181	GGAAAGAGAGCAGATGTCTCTGCCCGGCGGTGCTGTCTGTCTGTCTGTCTGTCTGT	240
Db	181	GGAAAGAGAGCAGATGTCTCTGCCCGGCGGTGCTGTCTGTCTGTCTGTCTGTCTGT	240
Qy	241	ATGGGAACATAGTATGCTTCTGTATCGAGCATATGTGGGCTGTCTGTCTGTCTGTCTGT	300
Db	241	ATGGGAACATAGTATGCTTCTGTATCGAGCATATGTGGGCTGTCTGTCTGTCTGTCTGT	300
Qy	301	TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGCGAGAAACTATT	360
Db	301	TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGCGAGAAACTATT	360
Qy	361	CCTCAGTAGATGCAATGGCATCAGTCTCAATGCTTCTAGATGCTGTCTCTTTCA	420
Db	361	CCTCAGTAGATGCAATGGCATCAGTCTCAATGCTTCTAGATGCTGTCTCTTTCA	420
Qy	421	CAGTAACTTAAAGGCAAAAGTAGTACACAGGAGGCGACAGGAGCAGTCTCCACAGCAC	480
Db	421	CAGTAACTTAAAGGCAAAAGTAGTACACAGGAGGCGACAGGAGCAGTCTCCACAGCAC	480
Qy	481	ATCCACCAACAGGTAAACGACTAAAGAAACACCCGAGAGAAACCTGGCAATAAAGATT	540
Db	481	ATCCACCAACAGGTAAACGACTAAAGAAACACCCGAGAGAAACCTGGCAATAAAGATT	540
Qy	541	GTAAGCAGACATTTGCTGATTTGATGAGAGCTTTAATATTGGGCGCGCGATTAA	600
Db	541	GTAAGCAGACATTTGCTGATTTGATGAGAGCTTTAATATTGGGCGCGCGATTAA	600
Qy	601	ATTTTACAGAGAAATTTTGTGAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC	660
Db	601	ATTTTACAGAGAAATTTTGTGAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC	660
Qy	661	CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTGAAGAACT	720
Db	661	CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTGAAGAACT	720
Qy	721	TTACATCAGCCAAAGATGTTTGTGTCCTAATAAGGAAGTAGGTTTCAGAGGGGGTAAT	780
Db	721	TTACATCAGCCAAAGATGTTTGTGTCCTAATAAGGAAGTAGGTTTCAGAGGGGGTAAT	780

Qy	781	CCAATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATCTTTCACGGTAGATGCTGGAG	840
Db	781	CCAATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATCTTTCACGGTAGATGCTGGAG	840
Qy	841	TAAGAAAGGGATCCCAAGTGGTGTATTTATTTGATGTTGGCTTCTGATGACA	900
Db	841	TAAGAAAGGGATCCCAAGTGGTGTATTTATTTGATGTTGGCTTCTGATGACA	900
Qy	901	TCGAGAGCAGGATTTGGCCAGAGATTTGGTGTCAATGTTATTTATGTTCTGTTGG	960
Db	901	TCGAGAGCAGGATTTGGCCAGAGATTTGGTGTCAATGTTATTTATGTTCTGTTGG	960
Qy	961	CCAAGCCTATCCCTGAAGAACTCGGGATGTTTCAGGATGTCAATTTGTTGACAAAGCTG	1020
Db	961	CCAAGCCTATCCCTGAAGAACTCGGGATGTTTCAGGATGTCAATTTGTTGACAAAGCTG	1020
Qy	1021	TCGTGCGAATAATGCTTCTCTTACCAATGCCAACTGGTTGGCACCACAAAT	1080
Db	1021	TCGTGCGAATAATGCTTCTCTTACCAATGCCAACTGGTTGGCACCACAAAT	1080
Qy	1081	ACGTAAAGCCTCTGTTACAGAGCTGTGCACTCATGAACAAATGATGTGCAAGACCT	1140
Db	1081	ACGTAAAGCCTCTGTTACAGAGCTGTGCACTCATGAACAAATGATGTGCAAGACCT	1140
Qy	1141	GTTTAACTCAGTGAACATTTGCTTAAATGATGGCTCCAGCAGTGTGAGATAGCA	1200
Db	1141	GTTTAACTCAGTGAACATTTGCTTAAATGATGGCTCCAGCAGTGTGAGATAGCA	1200
Qy	1201	ATTTCCGCTCTATGCTTGAATTTGTTCCAAATAGCCTTTTGAATCTCGGACA	1260
Db	1201	ATTTCCGCTCTATGCTTGAATTTGTTCCAAATAGCCTTTTGAATCTCGGACA	1260
Qy	1261	TTGGTCCAGATAGCTGTGACGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA	1320
Db	1261	TTGGTCCAGATAGCTGTGACGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA	1320
Qy	1321	CTGACTATAGCACCAGAGAGATGTCTAGCTGTCTATCAGAAACATCCGCTATATGATG	1380
Db	1321	CTGACTATAGCACCAGAGAGATGTCTAGCTGTCTATCAGAAACATCCGCTATATGATG	1380
Qy	1381	GTGGAACAGCTACTGGTGAATTCCTTCACTGTAGAAATGTTTGGCCCTATATA	1440
Db	1381	GTGGAACAGCTACTGGTGAATTCCTTCACTGTAGAAATGTTTGGCCCTATATA	1440
Qy	1441	GGGAGAGCCCAACAGAACTTCTTAGTAAATGTGTACAGATGGGAGTCTTATGATG	1500
Db	1441	GGGAGAGCCCAACAGAACTTCTTAGTAAATGTGTACAGATGGGAGTCTTATGATG	1500
Qy	1501	TCCAAGGCCCTGCGAGCTGTGCAATGATGAGGAACTACTATCTCTCTGTTGGTGG	1560
Db	1501	TCCAAGGCCCTGCGAGCTGTGCAATGATGAGGAACTACTATCTCTCTGTTGGTGG	1560
Qy	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGCTTCTTAAACCGAAGGAGTCTCATGCTT	1620
Db	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGCTTCTTAAACCGAAGGAGTCTCATGCTT	1620
Qy	1621	TCTTCAAGAGAGTTTCAAGGATTTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTT	1680
Db	1621	TCTTCAAGAGAGTTTCAAGGATTTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTT	1680
Qy	1681	GTAGAGATTTCTTAGAATCCAGCAATATGTTAAACATTTTGAACACTGAAAGAAAGT	1740
Db	1681	GTAGAGATTTCTTAGAATCCAGCAATATGTTAAACATTTTGAACACTGAAAGAAAGT	1740
Qy	1741	ACAAGGGGATCCAGTGTGTAATTTGTTCTCATAATCTGAAATGCTTTAGCATACTAG	1800
Db	1741	ACAAGGGGATCCAGTGTGTAATTTGTTCTCATAATCTGAAATGCTTTAGCATACTAG	1800
Qy	1801	AATCAGATACAAACTATTAAAGTATGTCAAGCCCAATTTAGGCAATATAGCACTCTTTA	1860
Db	1801	AATCAGATACAAACTATTAAAGTATGTCAAGCCCAATTTAGGCAATATAGCACTCTTTA	1860

QY 1861 AAGCGCTGCTTCTGTGTTACAATTTACAGTGTAATTTGTTGTTAAACACACCTGCTGAGGCTT 1920
DB 1861 AAGCGCTGCTTCTGTGTTACAATTTACAGTGTAATTTGTTGTTAAACACACCTGCTGAGGCTT 1920
QY 1921 CATATCAGTCTGTTAGAACTCAGGAAGAGGAGATATGTTGGATTAAACCTTTAAGA 1980
DB 1921 CATATCAGTCTGTTAGAACTCAGGAAGAGGAGATATGTTGGATTAAACCTTTAAGA 1980
QY 1981 GTTCTAACCATGCTACTAATGTTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
DB 1981 GTTCTAACCATGCTACTAATGTTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
QY 2041 TGATCTTAGACCAAAAGCAACATTTGTTCTTAAACCAATTCGTATTGATTATTAAGCA 2100
DB 2041 TGATCTTAGACCAAAAGCAACATTTGTTCTTAAACCAATTCGTATTGATTATTAAGCA 2100
QY 2101 AATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGTTCCAGGTACACATATTT 2160
DB 2101 AATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGTTCCAGGTACACATATTT 2160
QY 2161 TGACCCAAAGTGATATTTCTTAAACCAATCAATATAGCTAGCTATTACTGCAGACTA 2220
DB 2161 TGACCCAAAGTGATATTTCTTAAACCAATCAATATAGCTAGCTATTACTGCAGACTA 2220
QY 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCAATA 2280
DB 2221 TAAATCTGGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCAATA 2280
QY 2281 CAACCTATGACTAAATATATACACTCAATGAAGAGACGAGATTTGCCAGGTATTTTCTA 2340
DB 2281 CAACCTATGACTAAATATATACACTCAATGAAGAGACGAGATTTGCCAGGTATTTTCTA 2340
QY 2341 TTTCTCTCTTAAATTTATATGATATAGATATATTTGGCTTATATTTAAAGTCACTAA 2400
DB 2341 TTTCTCTCTTAAATTTATATGATATAGATATATTTGGCTTATATTTAAAGTCACTAA 2400
QY 2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTACTGACTCTTATTAAGCAATTTAAAGCAAA 2460
DB 2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTACTGACTCTTATTAAGCAATTTAAAGCAAA 2460
QY 2461 GACATTTCAAATAACTGCAGAAAAATATTTGTAGTTTGAATATTTAAGCAATTTAAAGTGC 2520
DB 2461 GACATTTCAAATAACTGCAGAAAAATATTTGTAGTTTGAATATTTAAGCAATTTAAAGTGC 2520
QY 2521 TAGTGAGTTATGT 2534
DB 2521 TAGTGAGTTATGT 2534

RESULT 4
ADQ63230
ID ADQ63230 standard; cDNA; 2687 BP.

AC ADQ63230;

XX 07-OCT-2004 (first entry)

DE Novel human cDNA sequence #391.

XX ss; gene; osteoprotective; neuroprotective; nootropic; antiparkinsonian;
KW cytosolic; gene therapy; diagnostic marker; morbid state; osteoporosis;
KW neurological disease; Alzheimer's disease; Parkinson's disease; dementia;
KW cancer.

OS Homo sapiens.

XX EP1440981-A2.

PN 28-JUL-2004.

PD 21-JAN-2004; 2004EP-00001196.

PF 21-JAN-2003; 2003JP-00102206.

PR

PR 09-MAY-2003; 2003JP-00131392.
XX (REAS-) RES ASSOC BIOTECHNOLOGY.
PI Iisogai T, Sugiyama T, Otsuki T, Wakamatsu A, Sato H, Ishii S;
PI Yamamoto J, Isono Y, Nagai K, Irie R;
XX WPI; 2004-535376/52.
DR P-PSDB; ADQ65418.
XX Novel 2495 cDNA, useful for treating osteoporosis, neurological diseases,
PT Alzheimer's diseases, Parkinson's diseases, dementia and various cancers.
PT Claim 1; SEQ ID NO 391; 2449pp; English.
XX The invention relates to 2495 novel polynucleotides (I) and their encoded
CC polypeptides, sequences hybridizing to these nucleotides, sequences
CC encoding partial polypeptides and sequences having 70% or 90% identity to
CC the nucleotide and protein sequences. The nucleotides and polypeptides
CC are useful as diagnostic markers or therapeutic target for the diseases
CC or morbid states. They are also useful for treating osteoporosis,
CC neurological diseases, Alzheimer's diseases, Parkinson's diseases,
CC dementia and various cancers. This sequence corresponds to a nucleotide
CC sequence of the invention.
XX Sequence 2687 BP; 786 A; 562 C; 602 G; 737 T; 0 U; 0 Other;

Query Match 95.0%; Score 2407.6; DB 12; Length 2687;
Best Local Similarity 97.4%; Pred. NO. 0;
Matches 2481; Conservative 0; Mismatches 29; Indels 36; Gaps 2;

QY 24 TCTCCAGCAGGTGTGAGCAGCCTATCAGTCAACCATGTCGAGCCTGATCCCGCTCTC 83
DB 143 TCTCTCCAGCAGGTGTGAGCAGCCTATCAGTCAACCATGTCGAGCCTGATCCCGCTCTC 202
QY 84 GCCTCTGCTGTGTCTGCTGTGTCGCGGGGCCGCGGGCAGCGAGGA----- 134
DB 203 GCCTCTGCTGTGTGCTGTGTCGCGGGGCCGCGGGCAGCGAGGCTG 262
QY 135 -----GCCGCTCCCATTTGCTATCATATGCTATCATATGCTATGCTGCTG 168
DB 263 GAGCAGCCCTCAGCCTTCTCTTCGAGCTCCCATTTGCTATCATATGCTATGCTGCTG 322
QY 169 GCTTGACATCAGGAAGAGAAAGCAGATGCTCTGCCAGGGGGCTGCCCTCTTTAGG 228
DB 323 GCTTGACATCAGGAAGAGAAAGCAGATGCTCTGCCAGGGGGCTGCCCTCTTTAGG 382
QY 229 AATTCTCTGTGTATGGGAAATAGATATATGCTTCTGTATCGAGCATATGTGGGGCTGCTG 288
DB 383 AATTCTCTGTGTATGGGAAATAGATATATGCTTCTGTATCGAGCATATGTGGGGCTGCTG 442
QY 289 TCCACAGGGAGTATATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGCTC 348
DB 443 TCCACAGGGAGTATATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTTACCTGCTC 502
QY 349 GAGAAACTATTCCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGT 408
DB 503 GAGAAACTATTCCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGT 562
QY 409 CTGCTTTCTTTCAGTAACTAAAGGAAAGTAGTACACAGAGGCCACAGCAAGCAG 468
DB 563 CTGCTTTCTTTCAGTAACTAAAGGAAAGTAGTACACAGAGGCCACAGCAAGCAG 622
QY 469 TGTCCACAGCATCATCCCAACAGGTAAACGACTAAAGAAAACACCCGAGAGAAAGCTG 528
DB 623 TGTCCACAGCATCATCCCAACAGGTAAACGACTAAAGAAAACACCCGAGAGAAAGCTG 682
QY 529 GCAATAAAGATTGTTAAAGCAGACATTTGCAATTTCTGATGATGAAAGCTTTAATTTGGC 588
DB 683 GCAATAAAGATTGTTAAAGCAGACATTTGCAATTTCTGATGATGAAAGCTTTAATTTGGC 742
QY 589 AGCGCGGATTATTTACAGAGAAATTTGTTGAAAAGTGGCTCTAATTTGGGAATTTG 648

Db 743 AGCGCCGATTAATTTACAGAGAAATTTCTGTGGAAGTGGCTCTAAATGTTGGGAATTG 802
Qy 649 GAACAGAGGACACACATGTGGGCTTCTCAAGCCAGTGAACATCCCAAAATAGAATTTT 708
Db 803 GAACAGAGGACACACATGTGGGCTTCTCAAGCCAGTGAACATCCCAAAATAGAATTTT 862
Qy 709 ACTTGAAAACTTTACATCAGCCAAAGATGTTTGTGTCATTAAGGAAGTAGTTTCA 768
Db 863 ACTTGAAAACTTTACATCAGCCAAAGATGTTTGTGTCATTAAGGAAGTAGTTTCA 922
Qy 769 GAGGGGTAAATCCATACAGGAAAGCCCTTGAGCATACTGCTCGAATTTCTTACCGG 828
Db 923 GAGGGGTAAATCCATACAGGAAAGCCCTTGAGCATACTGCTCGAATTTCTTACCGG 982
Qy 829 TAGATGCTGAGTAAGAAAAAGGATCCCAAGTGGTGGTATTTATTTGATGGTGGC 888
Db 983 TAGATGCTGAGTAAGAAAAAGGATCCCAAGTGGTGGTATTTATTTGATGGTGGC 1042
Qy 889 CTTCTGATGACATCGAGGAAGCAGGCATTTGTCAGAGAGTTTGGTGTCAATGTATTTA 948
Db 1043 CTTCTGATGACATCGAGGAAGCAGGCATTTGTCAGAGAGTTTGGTGTCAATGTATTTA 1102
Qy 949 TAGTTTCTGTCGCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGTCACTTTC 1008
Db 1103 TAGTTTCTGTCGCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGTCACTTTC 1162
Qy 1009 TTGACAGGCTGTCTGCGAATAATGGCTTCTTCTTACCACATGCCCACTGGTTTC 1068
Db 1163 TTGACAGGCTGTCTGCGAATAATGGCTTCTTCTTACCACATGCCCACTGGTTTC 1222
Qy 1069 GCACACAAATACGTAAAGCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGT 1128
Db 1223 GCACACAAATACGTAAAGCCTCTGGTACAGAGCTGTGCATCATGAACAAATGATGT 1281
Qy 1129 GCAGCAAGCCTGTATTAATCTAGTGAACATTTGCTTTCTTAATGATGGCTCAGCAGTG 1188
Db 1282 GCAGCAAGCCTGTATTAATCTAGTGAACATTTGCTTTCTTAATGATGGCTCAGCAGTG 1341
Qy 1189 TTGAGATAGCAATTTCCGGCTCATGCTTCAATTTGTTTCCACATAGCCAAAGCTTTTC 1248
Db 1342 TTGAGATAGCAATTTCCGGCTCATGCTTCAATTTGTTTCCACATAGCCAAAGCTTTTC 1401
Qy 1249 AATCTCGACATTTGGTCCAAAGATAGCTGTGTACAGATTTTACTTATGATCAGCGACGG 1308
Db 1402 AATCTCGACATTTGGTCCAAAGATAGCTGTGTACAGATTTTACTTATGATCAGCGACGG 1461
Qy 1309 AGTTCAAGTTTCACTGATATAGCAACCAAGAGATGTCCTAGTGTGCATCAGAAACATCC 1368
Db 1462 AGTTCAAGTTTCACTGATATAGCAACCAAGAGATGTCCTAGTGTGCATCAGAAACATCC 1521
Qy 1369 GCTATATAGTGTGGGAACAGCTACTGGTGTAGCCATTTCTTCACTGTTAGAAATGTGT 1428
Db 1522 GCTATATAGTGTGGGAACAGCTACTGGTGTAGCCATTTCTTCACTGTTAGAAATGTGT 1581
Qy 1429 TTGGCCCTATAAGGGAGAGCCCAACAAAGAACTTCTTAGTAATTTGTACAGATGGGCAGT 1488
Db 1582 TTGGCCCTATAAGGGAGAGCCCAACAAAGAACTTCTTAGTAATTTGTACAGATGGGCAGT 1641
Qy 1489 CCTATGATGTCTCAAGGCCCTGACGTGTCACATGATGACGAGGAATCACTATCTTCT 1548
Db 1642 CCTATGATGTCTCAAGGCCCTGACGTGTCACATGATGACGAGGAATCACTATCTTCT 1701
Qy 1549 CTGTTGTTGCTTGGGCACTCTGATGACCTGGAAGATATGGCTTCTTAAACCGAAGG 1608
Db 1702 CTGTTGTTGCTTGGGCACTCTGATGACCTGGAAGATATGGCTTCTTAAACCGAAGG 1761
Qy 1609 AGTCTCATGCTTCTTCAAGAGAGTTTACAGGATTTAGAACCAATTTGTTCTGTAGTCA 1668
Db 1762 AGTCTCATGCTTCTTCAAGAGAGTTTACAGGATTTAGAACCAATTTGTTCTGTAGTCA 1821
Qy 1669 TCAGAGGCAATTTGATAGATTTCTTAGAATCCCAAGCAATATGATTAATTTTGAACAAT 1728
Db 1822 TCAGAGGCAATTTGATAGATTTCTTAGAATCCCAAGCAATATGATTAATTTTGAACAAT 1881

Qy 1729 GAAAGAAAAAGTACAAAGGGGATCCAGTGTGTAATTTGTAATTTCTCATTAATCTGAAATGCT 1788
Db 1882 GAAAGAAAAAGTACAAAGGGGATCCAGTGTGTAATTTGTAATTTCTCATTAATCTGAAATGCT 1941
Qy 1789 TTAGCATACTAGAAATCAGATACAAACTATTAAGTATGTCAACAGGCATTTAGGCAATA 1848
Db 1942 TTAGCATACTAGAAATCAGATACAAACTATTAAGTATGTCAACAGGCATTTAGGCAATA 2001
Qy 1849 AGCACTCTTTTAAAGCGCTGCTTCTGCTTACAAATTTACAGTGTACTTTTGTAAAAACA 1908
Db 2002 AGCACTCTTTTAAAGCGCTGCTTCTGCTTACAAATTTACAGTGTACTTTTGTAAAAACA 2061
Qy 1909 CTGCTGAGGCTTTCATAATCATGGCTCTTAGAAACTCAGAAAGAGAGATAATGTGGATT 1968
Db 2062 CTGCTGAGGCTTTCATAATCATGGCTCTTAGAAACTCAGAAAGAGAGATAATGTGGATT 2121
Qy 1969 AAAACCTTAAAGAGTTCTAACCATGCTACTTAATGTACAGATATGCAATTCATAGCTC 2028
Db 2122 AAAACCTTAAAGAGTTCTAACCATGCTACTTAATGTACAGATATGCAATTCATAGCTC 2181
Qy 2029 AATAAAGAAATCTGATACCTTAGACCAAAAGCAACTTCTGCTCTAACCACTCTGTATTG 2088
Db 2182 AATAAAGAAATCTGATACCTTAGACCAAAAGCAACTTCTGCTCTAACCACTCTGTATTG 2241
Qy 2089 ATTATATAAGCAAAATGAAAGAGAACTTAAATGAACAACAGCTCTTTAAACATGGTTTTCAG 2148
Db 2242 ATTATATAAGCAAAATGAAAGAGAACTTAAATGAACAACAGCTCTTTAAACATGGTTTTCAG 2301
Qy 2149 GTACACATATTTTGACCCCAAGTGGATTTTCTTAAAACAATCAATAATAGTAGCTAT 2208
Db 2302 GTACACATATTTTGACCCCAAGTGGATTTTCTTAAAACAATCAATAATAGTAGCTAT 2361
Qy 2209 TACTGACAGTATAAATCTGGATATAGAAAGGAGACCTGTATCAACCTGCTTTCTTCTAGT 2268
Db 2362 TACTGACAGTATAAATCTGGATATAGAAAGGAGACCTGTATCAACCTGCTTTCTTCTAGT 2421
Qy 2269 GTGTTTTTCATAACAACTTATGACTTAAATAATATCACACTGAATAAGAGAGAGGATTTGCCA 2328
Db 2422 GTGTTTTTCATAACAACTTATGACTTAAATAATATCACACTGAATAAGAGAGAGGATTTGCCA 2481
Qy 2329 GGTATTTTCTATTTCTCTCTTAAATTTTATATATATATATATATATTTGGCTTATATTC 2388
Db 2482 GGTATTTTCTATTTCTCTCTTAAATTTTATATATATATATATATTTGGCTTATATTC 2541
Qy 2389 TAAGTCACTTAAGTACTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAG 2448
Db 2542 TAAGTCACTTAAGTACTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAGTTAAAG 2601
Qy 2449 TTTAAAGACAAAGACATTTCAAATACTGCAAAAAAATATTTAGTGTGTAATTTTAAAG 2508
Db 2602 TTTAAAGACAAAGACATTTCAAATACTGCAAAAAAATATTTAGTGTGTAATTTTAAAG 2661
Qy 2509 CAATAAACTGCTAGTGTATTTGT 2534
Db 2662 CAATAAACTGCTAGTGTATTTGT 2687

RESULT 5

AAK52254

ID AAK52254 standard; DNA; 2403 BP.

XX

AC AAK52254;

XX

XX 25-JUN-1999 (first entry)

XX

XX Protein PRO294 cDNA clone DNA40604-1187.

XX Secreted protein; transmembrane protein; human; enterocolitis;

XX Zollinger-Ellison syndrome; gastrointestinal ulceration;

XX congenital microvillus atrophy; skin disease; cell growth;

XX abnormal keratinocyte differentiation; psoriasis; epithelial cancer;

XX Parkinson's disease; Alzheimer's disease; ALS; neuropathy; fibromodulin;

Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAACAACTTTATCATCAGCCAAAGATGTTTG 1082
Qy TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGTAATTTCCATATCAGAGAAAGCCCTTCAAG 803
Db TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGTAATTTCCATATCAGAGAAAGCCCTTCAAG 1142
Qy CATATGCTCAGAAATTTCTTCAAGGTAGATGCTCGAGTAAGAAAGGGATCCCAAGATG 863
Db CATATGCTCAGAAATTTCTTCAAGGTAGATGCTCGAGTAAGAAAGGGATCCCAAGATG 1202
Qy GTGGTGTATTTATGATGTTGGCTTTCTGATGACATCGAGGAAGCAGGATTTGTGCC 923
Db GTGGTGTATTTATGATGTTGGCTTTCTGATGACATCGAGGAAGCAGGATTTGTGCC 1262
Qy AGAGAGTTTGTGTCAATGATTTATGATTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983
Db AGAGAGTTTGTGTCAATGATTTATGATTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 1322
Qy GGGATGGTTTCAGGATGTCAATTTGTTGACAAAGCTGTCTGCGAATAATGGCTTCTTC 1043
Db GGGATGGTTTCAGGATGTCAATTTGTTGACAAAGCTGTCTGCGAATAATGGCTTCTTC 1382
Qy TCTTACACATGCCCAACTGTTTGGCACCAAAATACGTAAAGCTCTTGGTACAGAAG 1103
Db TCTTACACATGCCCAACTGTTTGGCACCAAAATACGTAAAGCTCTTGGTACAGAAG 1442
Qy CTGTGCACTCATGAACAAATGATGTGCGAAGACCTGTTATTAATCACTGATGAACATGTC 1163
Db CTGTGCACTCATGAACAAATGATGTGCGAAGACCTGTTATTAATCACTGATGAACATGTC 1502
Qy TTTCTAATTTGATGCTCCAGCAGTGTGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db TTTCTAATTTGATGCTCCAGCAGTGTGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy GTTTCACATAGCAAGACTTTTGAATCTCGGACATGTTGGTCCAAAGATAGCTGCTGTA 1283
Db GTTTCACATAGCAAGACTTTTGAATCTCGGACATGTTGGTCCAAAGATAGCTGCTGTA 1622
Qy CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTCACTGACTATAGCACCACCAAGAGAA 1343
Db CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTCACTGACTATAGCACCACCAAGAGAA 1682
Qy GTCTAGCTGTATCAGAAACATCCGCTATATGATGTTGGAACAGCTACTGGTGTATGCC 1403
Db GTCTAGCTGTATCAGAAACATCCGCTATATGATGTTGGAACAGCTACTGGTGTATGCC 1742
Qy ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC 1463
Db ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC 1802
Qy CTAGTAATTTGTCAGAGATGGCAGTCTATGATGATGTCCAGGCCCTCAGCTGTGCA 1523
Db CTAGTAATTTGTCAGAGATGGCAGTCTATGATGATGTCCAGGCCCTCAGCTGTGCA 1862
Qy CATGATCAGGAATCACTATCTTCTGTGTTGGTGTGGCCACCTCTGGATGACCTG 1583
Db CATGATCAGGAATCACTATCTTCTGTGTTGGTGTGGCCACCTCTGGATGACCTG 1922
Qy AAGATATGGTTCTTAAACCGAAGGAGTCTCAAGCTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db AAGATATGGTTCTTAAACCGAAGGAGTCTCAAGCTTTCTTCAAGAGAGTTTCAACAGGA 1982
Qy TTAGAACCAATTTGTTCTGATGTATCATCAGAGGCAATTTGTAGATTTCTTAGAATCCAG 1703
Db TTAGAACCAATTTGTTCTGATGTATCATCAGAGGCAATTTGTAGATTTCTTAGAATCCAG 2042
Qy CAATAATGGTAACTTTTGAACCTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db CAATAATGGTAACTTTTGAACCTGAAAGAAAGTACAAAGGGATCCAGTGTGTAAT 2102
Qy TGTATTCTCATTAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 1823

Db 2103 TGTATTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACTATTAAAGT 2162
Qy 1824 ATGTCACAGCCATTTAGGCAAAATAGACACTCTTTAAAGCCGCTCTCTGGTTACAA 1883
Db 2163 ATGTCACAGCCATTTAGGCAAAATAGACACTCTTTAAAGCCGCTCTCTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTTGTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAAACT 1943
Db 2223 TTTACAGTGTACTTTTGTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAAACT 2282
Qy 1944 CAGAAAGAGGAGATTAATGTGATTTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG 2003
Db 2283 CAGAAAGAGGAGATTAATGTGATTTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATCTTAGACCAAAAGCA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATCTTAGACCAAAAGCA 2402

RESULT 6
ADC78546

ID ADC78546 standard; cDNA; 2403 BP.

XX ADC78546;

AC XX 01-JAN-2004 (first entry)

DT XX Human PRO294 cDNA.

DE XX
KW antiinflammatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian;
KW neurotrophic; neuroprotective; vasotropic; chemotactic; angiogenic;
KW neurotrophic; osteopathic; antiasthmatic; antiarthritic; antirheumatic;
KW antiarteriosclerotic; cardiant; antidiabetic; cerebroprotective;
KW thrombotic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome;
KW gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease;
KW Alzheimer's; ALS; neuropathy; dermal scarring; wound healing;
KW nerve repair; thrombosis; bone; cartilage formation; angiogenesis;
KW asthma; rheumatoid arthritis; multiple sclerosis; inflammatory disorder;
KW atherosclerosis; cardiac injury; infertility; premature aging; AIDS;
KW diabetes; stroke; gene therapy; transgenic; PRO; human; ss; gene.

OS Homo sapiens.

XX WO200015796-A2.

XX 23-MAR-2000.

XX 15-SEP-1999; 99WO-US021090.

XX 16-SEP-1998; 98WO-US019330.

XX (GETH) GENENTECH INC.

XX Chen J, Goddard A, Gurney AL, Hillan K, Pennica D, Wood WI;
PI Yuan J;

XX WPI; 2000-271434/23.

XX P-PSDB; ADC78547.

XX Novel nucleic acids encoding secreted and transmembrane polypeptides with
PT homology, e.g. to growth and cancer-associated antigens.

XX Claim 2; SEQ ID NO 226; 355pp; English.

XX The invention relates to a novel nucleic acid encoding a PRO polypeptide.
CC The polypeptides and polynucleotides of the invention may be useful as
CC research tools and as therapeutics for treating enterocolitis, Zollinger-
CC Ellison syndrome, gastrointestinal ulceration, psoriasis, cancer,
CC Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal
CC scarring and wound healing, nerve repair, thrombosis, bone and/or
CC cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple
CC sclerosis, inflammatory disorders, atherosclerosis, cardiac injury,
CC infertility, premature aging, AIDS, diabetes complications and stroke.

CC The molecules may also be utilised during gene therapy procedures and
CC transgenic animal production. The current sequence is that of the human
CC PRO cDNA of the invention.

XX	Sequence	2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;	
SQ	Query Match	80.1%; Score 2028.8; DB 3; Length 2403;	
	Best Local Similarity	99.7%; Pred. No. 0;	
	Matches 2033; Conservative	0; Mismatches 7; Indels 0; Gaps 0;	
Qy	24	TCTCGACAGGTGTGACAGCCTATCAGTCACCATGTCGCGACCTGGATCCCGGCTCTC	83
Db	363	TCTCTCCAGGTGTGACAGCCTATCAGTCACCATGTCGCGACCTGGATCCCGGCTCTC	422
Qy	84	GGCCTCGGTGTGCTGTCTGCTGCTGCCCGGGGCCCGCGGACGAGGAGCGGCTCCC	143
Db	423	GGCCTCGGTGTGCTGTCTGCTGCTGCCCGGGGCCCGCGGACGAGGAGCGGCTCCC	482
Qy	144	ATTGCTATCACATGTTTTACAGAGGCTTGGACATACAGAAAGAGAAAGCAGATGTCCTC	203
Db	483	ATTGCTATCACATGTTTTACAGAGGCTTGGACATACAGAAAGAGAAAGCAGATGTCCTC	542
Qy	204	TGCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGAAACATAGTATATGCTCT	263
Db	543	TGCCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGAAACATAGTATATGCTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	662
Qy	324	GTACGAGCTATAGCTTACTGTGTCAGAGAAACTATTCCTCAGTAGAGCCATGSCATC	383
Db	663	GTACGAGCTATAGCTTACTGTGTCAGAGAAACTATTCCTCAGTAGAGCCATGSCATC	722
Qy	384	CAGTCTCAAAATGCTTTCTAGATGCTGTCTCTTTTCAAGTAACCTAAAGGCAAAAGTAGT	443
Db	723	CAGTCTCAAAATGCTTTCTAGATGCTGTCTCTTTTCAAGTAACCTAAAGGCAAAAGTAGT	782
Qy	444	ACACAGGAGGCCACAGGACAGAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA	503
Db	783	ACACAGGAGGCCACAGGACAGAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA	842
Qy	504	AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAGCAGACATTTGCATTTCTG	563
Db	843	AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAGCAGACATTTGCATTTCTG	902
Qy	564	ATTGATGGAAGCTTTAAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGATTTTGTGGA	623
Db	903	ATTGATGGAAGCTTTAAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGATTTTGTGGA	962
Qy	624	AAAGTGGCTCTAATGTTGGGAATTGGAAACAGAGCCACATGTGGGCTTGTTCAGGCC	683
Db	963	AAAGTGGCTCTAATGTTGGGAATTGGAAACAGAGCCACATGTGGGCTTGTTCAGGCC	1022
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTGAATACTTTACATCAGCCAAAGATGTTTG	743
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTGAATACTTTACATCAGCCAAAGATGTTTG	1082
Qy	744	TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGAAAGCCCTTGAAG	803
Db	1083	TTTGGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGAAAGCCCTTGAAG	1142
Qy	804	CATCTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG	863
Db	1143	CATCTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG	1202
Qy	864	GTGGTGTATTTATGATGTTGGCTTCTCTGATGACATCGAGGAACGAGGCAATGTGGCC	923
Db	1203	GTGGTGTATTTATGATGTTGGCTTCTCTGATGACATCGAGGAACGAGGCAATGTGGCC	1262
Qy	924	AGAGAGTTGGTGTCAATGTATTTATGATTTCTGTGGCCAGCCCTATCCCTGAGAACTG	983
Db	1263	AGAGAGTTGGTGTCAATGTATTTATGATTTCTGTGGCCAGCCCTATCCCTGAGAACTG	1322

Qy	984	GGGATGGTTCAGGATGTCACTTTTGTGACAAAGCTGTCTCTCGGATATATGCTTCTTC	1043
Db	1323	GGGATGGTTCAGGATGTCACTTTTGTGACAAAGCTGTCTCTCGGATATATGCTTCTTC	1382
Qy	1044	TCCTTACCACATGCCCAACTGGTTTGGCAACCAAAAATACATAAAGCCTCTGGTACAGAAG	1103
Db	1383	TCCTTACCACATGCCCAACTGGTTTGGCAACCAAAAATACATAAAGCCTCTGGTACAGAAG	1442
Qy	1104	CTGTGCATCTCATGAAACAAATGATGTGACGAAACCTGTTTATTAACCTCAGTGAACATGGCC	1163
Db	1443	CTGTGCATCTCATGAAACAAATGATGTGACGAAACCTGTTTATTAACCTCAGTGAACATGGCC	1502
Qy	1164	TTTCTAATTTGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1223
Db	1503	TTTCTAATTTGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1562
Qy	1224	GTCTTCCAACATAGCAAGACCTTTTGAATCTTCGGACATTTGGTGCCAAAGATAGCTGTGTA	1283
Db	1563	GTCTTCCAACATAGCAAGACCTTTTGAATCTTCGGACATTTGGTGCCAAAGATAGCTGTGTA	1622
Qy	1284	CAGTTTACTTATGATCAGCGCACCGAGTTTCACTGCTTACTGACTATAGCACCAAGAGAAAT	1343
Db	1623	CAGTTTACTTATGATCAGCGCACCGAGTTTCACTGCTTACTGACTATAGCACCAAGAGAAAT	1682
Qy	1344	GTCTTAGCTGTATCAGAAACATCCGCTTATATGATGTGTGGAACAGCTACTGCTGATGCC	1403
Db	1683	GTCTTAGCTGTATCAGAAACATCCGCTTATATGATGTGTGGAACAGCTACTGCTGATGCC	1742
Qy	1404	ATTTCTCTTCACTGTTTGAATAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC	1463
Db	1743	ATTTCTCTTCACTGTTTGAATAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC	1802
Qy	1464	CTAGTAATTTGTACAGATGGGCGCTCTATCATGTGTCCAAAGCCTCTGAGCTGTGCA	1523
Db	1803	CTAGTAATTTGTACAGATGGGCGCTCTATCATGTGTCCAAAGCCTCTGAGCTGTGCA	1862
Qy	1524	CATGATCAGGAATCACTATCTTCTCTGTTGGTGTGGCCCTCTGGGCACTCTGGATGACCTG	1583
Db	1863	CATGATCAGGAATCACTATCTTCTCTGTTGGTGTGGCCCTCTGGGCACTCTGGATGACCTG	1922
Qy	1584	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTTTCACAAAGAGAGTTTACACAGA	1643
Db	1923	AAAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTTTCACAAAGAGAGTTTACACAGA	1982
Qy	1644	TTTGAACCAATTTGTTTCTGATGTCTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	1703
Db	1983	TTTGAACCAATTTGTTTCTGATGTCTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	2042
Qy	1704	CAATATATGGTAAACATTTTGAACAACTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT	1763
Db	2043	CAATATATGGTAAACATTTTGAACAACTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT	2102
Qy	1764	TGTAATTTCTATTAATCTGAAATGCTTTAGCATCTAGATCAGATACATAAAGTATTAAGT	1823
Db	2103	TGTAATTTCTATTAATCTGAAATGCTTTAGCATCTAGATCAGATACATAAAGTATTAAGT	2162
Qy	1824	ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTCTTGGTTACAA	1883
Db	2163	ATGTCAACAGCCATTTAGGCAAAATAGCACTCTTTTAAAGCCGCTGCTCTTGGTTACAA	2222
Qy	1884	TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGCTCTTAGAACT	1943
Db	2223	TTTACAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGCTCTTAGAACT	2282
Qy	1944	CAGGAAGAGGAGATTAATGTGGATTAACCTTAAGAGTTCTTAACCATCTCTAAATG	2003
Db	2283	CAGGAAGAGGAGATTAATGTGGATTAACCTTAAGAGTTCTTAACCATCTCTAAATG	2342
Qy	2004	TACAGATATGCAAAATCCATAGCTCAATATAAAGAAATCTGATCTTAGACCAAAAGCA	2063
Db	2343	TACAGATATGCAAAATCCATAGCTCAATATAAAGAAATCTGATCTTAGACCAAAAGCA	2402

RESULT 7
AA72412
ID AAF72412 standard; cDNA; 2403 BP.
XX AC AAF72412;
XX AC AAF72412;
XX DT 24-APR-2001 (first entry)
XX DE Human PRO294 cDNA.
XX KW Human; PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory;
KW antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant;
KW antiangiogenic; vasotropic; antiasthmatic; antirheumatic; cancer;
KW antiarthritis; antinfertility; antidiabetic; antiviral; diabetes;
KW ophthalmological; gene therapy; skin disease; gastrointestinal disorder;
KW ischaemia; inflammation; ss.
XX OS Homo sapiens.
XX WO200104311-A1.
XX PD 18-JAN-2001.
XX PF 22-FEB-2000; 2000WO-US0004414.
XX PR 07-JUL-1999; 99US-0143048P.
XX PR 26-JUL-1999; 99US-0145698P.
XX PR 28-JUL-1999; 99US-0146222P.
XX PR 08-SEP-1999; 99WO-US020594.
XX PR 13-SEP-1999; 99WO-US020944.
XX PR 15-SEP-1999; 99WO-US021090.
XX PR 15-SEP-1999; 99WO-US021547.
XX PR 05-OCT-1999; 99WO-US023089.
XX PR 23-NOV-1999; 99WO-US028214.
XX PR 30-NOV-1999; 99WO-US028313.
XX PR 02-DEC-1999; 99WO-US028564.
XX PR 02-DEC-1999; 99WO-US028565.
XX PR 16-DEC-1999; 99WO-US030095.
XX PR 20-DEC-1999; 99WO-US030911.
XX PR 20-DEC-1999; 99WO-US030999.
XX PR 03-JAN-2000; 2000WO-US000219.
XX PA (GETH) GENENTECH INC.
XX PI Ashkenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Grimaldi CJ, Gurney AL, Hallan KJ, Kljavin IJ;
PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
PI Williams PM, Wood WI;
XX WPI; 2001-081051/09.
XX P-PSDB; AAB80251.
XX PT Sixty one nucleic acids encoding PRO polypeptides which are useful in the
XX treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous
XX cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's
XX disease).
XX PS Claim 2; Fig 81; 393pp; English.
XX CC The present sequence is one of sixty one nucleic acids encoding novel
XX secreted and transmembrane PRO polypeptides. The PRO polypeptides are
XX useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung
XX squamous cell carcinoma), gastrointestinal disorders (e.g. .
XX enterocolitis), neurodegenerative diseases (e.g. Alzheimer's disease,
XX Parkinson's disease), wound repair, cardiovascular disorders (e.g.
XX endometrial bleeding angiogenesis, ischaemias such as coronary ischaemia,
XX atherosclerosis), inflammatory disorders (e.g. asthma, rheumatoid
XX arthritis, multiple sclerosis), infertility (e.g. AIDS and diabetes and
XX retinal disorders such as retinitis pigmentosum. The PRO nucleic acids
XX have applications in molecular biology, including use as hybridization
XX probes, and in chromosome and gene mapping

XX SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;
Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
DB TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGTCTGTCTGTCCCGGGCCCGGGCAGCGAGGAGCGCTCCC 143
DB GGCCTCGGTGTGTCTGTCTGTCTGTCCCGGGCCCGGGCAGCGAGGAGCGCTCCC 482
QY 144 ATTGCTATCACATGTTTATACAGAGGCTTGGACATCAGGAAAGAGAGAGATGCTCCT 203
DB ATTGCTATCACATGTTTATACAGAGGCTTGGACATCAGGAAAGAGAGAGATGCTCCT 542
QY 204 TGCCAGGGGGCTGCCCTCTTGAAGAAATTCCTGTGTATGGGAACATAGTATATGCTTCT 263
DB TGCCAGGGGGCTGCCCTCTTGAAGAAATTCCTGTGTATGGGAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 323
DB GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 662
QY 324 GTACGAGTCTATAGCCTTGTGTCCAGAAACTATTCCTCAGTAGTCCCAATGCGATC 383
DB GTACGAGTCTATAGCCTTGTGTCCAGAAACTATTCCTCAGTAGTCCCAATGCGATC 722
QY 384 CAGTCTCAAAATGCTTCTAGATGCTGTCTTCTTCAAGTAACTAAAGCAAAAGTAGT 443
DB CAGTCTCAAAATGCTTCTAGATGCTGTCTTCTTCAAGTAACTAAAGCAAAAGTAGT 782
QY 444 ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA 503
DB ACACAGAGGCCACAGGACAAGCAGTGTCCACAGCAATCCACCAACAGGTAAACGACTA 842
QY 504 AAGAAACACCCGAGAGAAACTGCGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 563
DB AAGAAACACCCGAGAGAAACTGCGCAATAAAGATTGTAAAGCAGACATTTGCTTCTG 902
QY 564 ATTGATGGAAGCTTTAAATATTGGGCGAGCGCCGATTTAAATTTACAGAAAGATTTTGG 623
DB ATTGATGGAAGCTTTAAATATTGGGCGAGCGCCGATTTAAATTTACAGAAAGATTTTGG 962
QY 624 AAGTGGCTCTAATGTGGGAATTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC 683
DB AAGTGGCTCTAATGTGGGAATTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC 1022
QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG 743
DB AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG 1082
QY 744 TTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAAATTTCAATACAGGAAAGCTTGAAG 803
DB TTTGCCATAAAGGAAGTAGGTTTCAGAGGGGGTAAATTTCAATACAGGAAAGCTTGAAG 1142
QY 804 CATATCTGTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
DB CATATCTGTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202
QY 864 GTGGTGATTTTATGATGTTGGCCCTTCTGATGACATCGAGGAAAGCAGCATTTGGCC 923
DB GTGGTGATTTTATGATGTTGGCCCTTCTGATGACATCGAGGAAAGCAGCATTTGGCC 1262
QY 924 AGAGAGTTTGGTGTCAATGTATTATAGTTTCTGTGCGCAAGCTATCCCTGAAGAACTG 983
DB AGAGAGTTTGGTGTCAATGTATTATAGTTTCTGTGCGCAAGCTATCCCTGAAGAACTG 1322
QY 984 GGGATGGTTCAGGATGTCATTTGTTGTAAGGGCTGTCTGTGCGGAATATGCTTCTTC 1043
DB GGGATGGTTCAGGATGTCATTTGTTGTAAGGGCTGTCTGTGCGGAATATGCTTCTTC

D5	1323	GGGATGGTTCAGGATGTCAATTTGTTGACAAAGCGTGTCTGTGCGAATTAATGGCTCTCTTC	1382
QY	1044	TCCTTACACATGCCCAACTGGTTTGGCACACAAAATACGTAAGACCTCTGGTACAGAAG	1103
D5	1383	TCCTTACACATGCCCAACTGGTTTGGCACACAAAATACGTAAGACCTCTGGTACAGAAG	1442
QY	1104	CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAACTCATAGTGAACATTGCC	1163
D5	1443	CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAACTCATAGTGAACATTGCC	1502
QY	1164	TTTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTCTGCAATTT	1223
D5	1503	TTTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTCTGCAATTT	1562
QY	1224	GTTTCCAACTAGCACAAGACTTTTGAATCTCGGAATTTGGTGGCCMAGATAGCTCTGTA	1283
D5	1563	GTTTCCAACTAGCACAAGACTTTTGAATCTCGGAATTTGGTGGCCMAGATAGCTCTGTA	1622
QY	1284	CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTCTTCACTGACTATAGCACCAAGAGAAAT	1343
D5	1623	CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTCTTCACTGACTATAGCACCAAGAGAAAT	1682
QY	1344	GTCTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGGTGGAAACAGTACTGGTATGCC	1403
D5	1683	GTCTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGGTGGAAACAGTACTGGTATGCC	1742
QY	1404	ATTTCCCTTCACTGTGTAGAAATGTCTTTGGCCCTATTAAGGGAGAGCCCCCAACGAAGACTTC	1463
D5	1743	ATTTCCCTTCACTGTGTAGAAATGTCTTTGGCCCTATTAAGGGAGAGCCCCCAACGAAGACTTC	1802
QY	1464	CTAGTAATTTGTCAACAGATGGGCACTCCTATGATGATGTCCAAAGCCCTGGAGTCTGCA	1523
D5	1803	CTAGTAATTTGTCAACAGATGGGCACTCCTATGATGATGTCCAAAGCCCTGGAGTCTGCA	1862
QY	1524	CATGATGACGGAATCACTATCTCTCTGTTGGTGGCTTTGGGCACTCTGTGATGACCTTG	1583
D5	1863	CATGATGACGGAATCACTATCTCTCTGTTGGTGGCTTTGGGCACTCTGTGATGACCTTG	1922
QY	1584	AAAGATATGGCTTTAAACCGAAGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAACGA	1643
D5	1923	AAAGATATGGCTTTAAACCGAAGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAACGA	1982
QY	1644	TTTAGAACCAATTTGTTCTTGATGTCAATCAGAGGCACTTTGTAGAGATTTCTTAGAATCCCAG	1703
D5	1983	TTTAGAACCAATTTGTTCTTGATGTCAATCAGAGGCACTTTGTAGAGATTTCTTAGAATCCCAG	2042
QY	1704	CAATAATGGTAAACATTTTGAACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT	1763
D5	2043	CAATAATGGTAAACATTTTGAACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAT	2102
QY	1764	TGTATTTCTCATAACTCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATCTTTAAGT	1823
D5	2103	TGTATTTCTCATAACTCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATCTTTAAGT	2162
QY	1824	ATGTCAACAGGCCATTTAGGCAATTAAGCACTCTTTAAAGCGGCTGCTCTCTGGTTACAA	1883
D5	2163	ATGTCAACAGGCCATTTAGGCAATTAAGCACTCTTTAAAGCGGCTGCTCTCTGGTTACAA	2222
QY	1884	TTTTACAGTGTACTTTGTTAAAAACAACCTGCTGAGGCTTCAATAATCATGGCTCTTAGAAACT	1943
D5	2223	TTTTACAGTGTACTTTGTTAAAAACAACCTGCTGAGGCTTCAATAATCATGGCTCTTAGAAACT	2282
QY	1944	CAGGAAAGAGGAGATTAATGGNTTAAACCTTAGAGTCTTAACCACTGCTCTCTAAATG	2003
D5	2283	CAGGAAAGAGGAGATTAATGGNTTAAACCTTAGAGTCTTAACCACTGCTCTCTAAATG	2342
QY	2004	TACAGATATCCAAATTCCTAGCTCAATAAAAAGAAATCTGATACTTTAGACCAAAAGCAACA	2063
D5	2343	TTTCAGATATCCAAATTCCTAGCTCAATAAAAAGAAATCTGATACTTTAGACCAAAAGCAACA	2402

AAS45947 standard: cDNA: 2403 BP.

AAS45947:

18-DEC-2001 (first entry)

nucleon nwa encoding ppn polypeptide sequence #23:

PFO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss;
 dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
 blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
 adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder;
 PCR primer.

Homo sapiens.

W0200168848-A2

20-SEP-2001

29-FEB-2001: 2001WC-IIS006520.

01 MAR 2000 2000W0-IIS005601

02-MAR-2000; 2000WO-US005841.

06-MAR-2000; 2000US-0186968P.

14-MAR-2000; 2000US-0189328P.

21-MAR-2000; 2000US-0190828P.

21-MAR-2000: 2000US-0191048P.

21-MAR-2000; 2000S-0131511
28-MAR-2000; 2000US-0192655P

29-MAR-2000; 2000US-019303ZF
20 MAR 2000: 2000US-0193053P

30-MAR-2000; 2000WO-US008439

04-APR-2000; 2000US-0194647P.

11-APR-2000; 2000US-0196000P

11-APR-2000; 2000US-0196690P

18-APR-2000; 2000US-0198121P

25-APR-2000: 2000US-0199397P

25-APR-2000; 2000US-013333
25-APR-2000: 2000US-0199654P

03-MAY-2000; 2000US-0201316F
15 MAY 2000: 2000WO-US013705

22-MAY-2000; 2000WO-US014042

02-JUN-2000; 2000WO-US015264

28-JUL-2000; 2000WO-US020710

24-AUG-2000; 2000WO-US023328

01-DEC-2000; 2000WO-US032678

2025-DEC-07

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers

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1
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P-PSDB; AAU29046.

Novel nucleic acids encoding

screen for modulators of the

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL, Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WDT: 2001-602746/68

WPI: 2001-602746/
D-PCNB: AAI29046

Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.

XX Claim 2; Fig 45; 774pp; English.

XX Sequences A845925-A846231 represent DNA molecules encoding and PCR

XX primers for PRO polypeptides of the invention. The sequences of the

CC invention can be used to detect the presence of a tumour in a mammal by

CC comparing the level of expression of a PRO polypeptide in a test sample

CC of cells from the animal and a control sample of normal cells, whereby a

CC higher level of expression in the test sample indicates the presence of a

CC tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep,

CC pigs, goats and rabbits but are preferably human. The polypeptides can be

CC used to stimulate tumour necrosis factor (TNF) alpha release from human

CC blood, when contacted with it. A specific polypeptide can be used to

CC stimulate the proliferation or differentiation of chondrocyte cells. The

CC PRO proteins can be used to determine the presence of tumours and also

CC susceptibility to tumour development, particularly adrenal, lung, colon,

CC breast, prostate, rectal, cervical, or liver tumours, in mammalian

CC subjects. The oligonucleotide probes specific for the PRO nucleic acids

CC can be used for genetic analysis of individuals with genetic disorders

XX

SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGACAGGTGTGACGAGCTATCAGTCACCATGTCCGACGCTCGATCCCGGCTCTC 83

DB |||||

QY 363 TCTCTCCAGGTGTGACGAGCTATCAGTCACCATGTCCGACGCTCGATCCCGGCTCTC 422

DB |||||

QY 84 GGCCTCGGTGTGTCTGCTGCTGCTCCCGGGGCCCGGGGACGAGGAGCGCTCCC 143

DB |||||

QY 423 GGCCTCGGTGTGTCTGCTGCTGCTCCCGGGGCCCGGGGACGAGGAGCGCTCCC 482

DB |||||

QY 144 ATTGCTATCATGTTTTTACAGAGGCTTGACATCAGGAAGAGAAAGCAGATGCTTC 203

DB |||||

QY 483 ATTGCTATCATGTTTTTACAGAGGCTTGACATCAGGAAGAGAAAGCAGATGCTTC 542

DB |||||

QY 204 TGCCCGAGGGGCTCCCTCTTGAGGAATCTCTGTGTATGGGACATAGTATGCTTCT 263

DB |||||

QY 543 TGCCCGAGGGGCTCCCTCTTGAGGAATCTCTGTGTATGGGACATAGTATGCTTCT 602

DB |||||

QY 264 GTATCGAGCATATGTGGGGCTGTGCTCCAGAGGGAGTAATCAGCAACTCAGGGGGACCT 323

DB |||||

QY 603 GTATCGAGCATATGTGGGGCTGTGCTCCAGAGGGAGTAATCAGCAACTCAGGGGGACCT 662

DB |||||

QY 324 GTACGAGCTATAGCTTACCTGTGTCGAGAAAACATATTCCTCAGTAGTGCATGCGATC 383

DB |||||

QY 663 GTACGAGCTATAGCTTACCTGTGTCGAGAAAACATATTCCTCAGTAGTGCATGCGATC 722

DB |||||

QY 384 CAGTCTCAATGCTTTTCTAGATGCTGCTCTTCTTTCAGTAATTAAGGCAAAAGTAGT 443

DB |||||

QY 723 CAGTCTCAATGCTTTTCTAGATGCTGCTCTTCTTTCAGTAATTAAGGCAAAAGTAGT 782

DB |||||

QY 444 ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 503

DB |||||

QY 783 ACACAGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 842

DB |||||

QY 504 AAGAAAACACCCGAGAGAAAACCTGGCAATAAGATTGTAAGCAGACATTCGATTTCTG 563

DB |||||

QY 843 AAGAAAACACCCGAGAGAAAACCTGGCAATAAGATTGTAAGCAGACATTCGATTTCTG 902

DB |||||

QY 564 ATTGATGGAAGCTTTTATATTTGGGACGCGGATTTTATTAAGAGATTTTGTGGA 623

DB |||||

QY 903 ATTGATGGAAGCTTTTATATTTGGGACGCGGATTTTATTAAGAGATTTTGTGGA 962

DB |||||

QY 624 AAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGACCATATGCGGCTTTGTTCAAGCC 683

DB |||||

QY 963 AAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGACCATATGCGGCTTTGTTCAAGCC 1022

DB |||||

QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACCTTTATCATCAGCCAAAGATGTTTG 743

DB |||||

QY 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACCTTTATCATCAGCCAAAGATGTTTG 1082

DB |||||

QY 744 TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAAAGCCTTGAAG 803

DB |||||

QY 1083 TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATTTCCAATACAGGAAAAGCCTTGAAG 1142

DB |||||

QY 804 CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGATGCCCAAGTG 863

DB |||||

QY 1143 CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGATGCCCAAGTG 1202

DB |||||

QY 864 GTGGTGGTATTTATTCATGTTGGCTTCTGATGATGACATCGAGGAAGCAGCATTTGGCC 923

DB |||||

QY 1203 GTGGTGGTATTTATTCATGTTGGCTTCTGATGATGACATCGAGGAAGCAGCATTTGGCC 1262

DB |||||

QY 924 AGAGAGTTTGGTGTCAATGATTTATTTAGTTTCTGTGGCCAAAGCTTATCCCTGAAGAACTG 983

DB |||||

QY 1263 AGAGAGTTTGGTGTCAATGATTTATTTAGTTTCTGTGGCCAAAGCTTATCCCTGAAGAACTG 1322

DB |||||

QY 984 GGGATGGTTCAGGATGTCATATTTGTTGACAAAGCTGTCTGTGCGAATAATAGCTTCTTC 1043

DB |||||

QY 1323 GGGATGGTTCAGGATGTCATATTTGTTGACAAAGCTGTCTGTGCGAATAATAGCTTCTTC 1382

DB |||||

QY 1044 TCTTACCAATGCCCCAACTGTTTGGCCACCAAAATACGTAAGCTCTCTGTACAGAAG 1103

DB |||||

QY 1383 TCTTACCAATGCCCCAACTGTTTGGCCACCAAAATACGTAAGCTCTCTGTACAGAAG 1442

DB |||||

QY 1104 CTGTGCACTCATGAAACAAATGATGTGACGCAAGACCTGTTTATACTCAGTGAACTTGCC 1163

DB |||||

QY 1443 CTGTGCACTCATGAAACAAATGATGTGACGCAAGACCTGTTTATACTCAGTGAACTTGCC 1502

DB |||||

QY 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGAGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223

DB |||||

QY 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGAGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562

DB |||||

QY 1224 GTTTCACATAGCCCAAGACTTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGCTGTA 1283

DB |||||

QY 1563 GTTTCACATAGCCCAAGACTTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGCTGTA 1622

DB |||||

QY 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTGACTATAGCACTATAGCAACCAAGAGAAT 1343

DB |||||

QY 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTGACTATAGCACTATAGCAACCAAGAGAAT 1682

DB |||||

QY 1344 GTCTAGCTGTCTATCAGAAAACATCCGCTATATAGTGTGTGGAAACAGCTACTGCTGATGCC 1403

DB |||||

QY 1683 GTCTAGCTGTCTATCAGAAAACATCCGCTATATAGTGTGTGGAAACAGCTACTGCTGATGCC 1742

DB |||||

QY 1404 ATTTCTTCTACTGTTTGAATTTGTTTGGCCCTATTAAGGGAGAGCCCAACAGAACTTC 1463

DB |||||

QY 1743 ATTTCTTCTACTGTTTGAATTTGTTTGGCCCTATTAAGGGAGAGCCCAACAGAACTTC 1802

DB |||||

QY 1464 CTAGTAATTTGTACAGATGCGGAGTCTTATGATGATGTCACAGGCCCTGCGACCTCTGGATGACCTG 1523

DB |||||

QY 1803 CTAGTAATTTGTACAGATGCGGAGTCTTATGATGATGTCACAGGCCCTGCGACCTCTGGATGACCTG 1862

DB |||||

QY 1524 CATGATGCGAGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGACCTCTGGATGACCTG 1583

DB |||||

QY 1863 CATGATGCGAGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGACCTCTGGATGACCTG 1922

DB |||||

QY 1584 AAGATATGGCTTCTTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA 1643

DB |||||

QY 1923 AAGATATGGCTTCTTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA 1982

DB |||||

QY 1644 TTAGAACCAATTTGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 1703

DB |||||

QY 1983 TTAGAACCAATTTGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 2042

DB |||||

QY 1704 CAATAATGGTAAACATTTTTCAGCAACTGAAAGAAAAGTCAAGGGGATCCAGTGTGTAAT 1763

DB |||||

QY 2043 CAATAATGGTAAACATTTTTCAGCAACTGAAAGAAAAGTCAAGGGGATCCAGTGTGTAAT 2102

DB |||||

QY 1764 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAATCTATTAAAGT 1823

DB |||||

QY 2103 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAATCTATTAAAGT 2162

DB |||||

RESULT 9

ACA60186;

XX DE Human cDNA for secreted/transmembrane protein PRO294.

OS Homo sapiens.

XX
PD 02-JAN-2003.

XX
DP 17-SEP-1997. 97HS-0059113P.

PR 17-SEP-1997; 97US-0059119P.

PR	I/-SEP-1997;	97US-0033184F.
PR	18-SEP-1997;	97US-0059263P.

PR 17-OCT-1997; 97US-0062285P.
PR 17-OCT-1997; 97US-0062287P.

PR 24-OCT-1997; 97US-0062816P.

FR 24-OCT-1997; 97US-0063127P.
PR 24-OCT-1997; 97US-0063127P..

PR 27-OCT-1997; 97US-0063329P.
PR 28-OCT-1997; 97US-0063541P.

PR 28-OCT-1997; 97US-0063549P.

PR 29-OCT-1997; 97US-0063704P.

PR 29-OCT-1997: 97US-0063735P;
PR 29-OCT-1997: 97US-0063738P;

PR 29-OCT-1997; 97US-0064215P.

(GETH) GENENTECH INC.

WPI; 2003-329602/31.

P-PSDB; ABU/1930.

New transmembrane polypeptides and nuclear acids encoding the polypeptides, useful in gene therapy, in chromosome identification, as chromosome markers, in generating probes and in tissue typing.

Claim 2: Fig 81: 484pp: English.

The invention relates to an isolated nucleic acid with at least 80% nucleic acid sequence identity to a nucleotide sequence encoding one of 61 secreted/transmembrane polypeptides, or PRO polypeptides or encoding a PRO protein extracellular domain. Also included are a vector comprising the PRO nucleic acid, a host cell comprising the vector, producing a PRO polypeptide (by culturing the host cell for the expression of the PRO polypeptide, and recovering the PRO polypeptide from the cell culture), an isolated PRO polypeptide (having at least 80% sequence identity to: (a) an amino acid sequence selected from the 61 PRO proteins; (b) an amino acid sequence encoded by a nucleic acid molecule deposited with an ATCC number (detailed in the specification); or (c) an extracellular domain of

Db	2163	ATCTCAACGCCANTTAGGCAAAATAGCACTCTTTAAAGCCGCTGCCCTTCTGGTTACAA	2222	PR	08-APR-1998;	98US-0081049P.
				PR	08-APR-1998;	98US-0081070P.
Qy	1884	TTTACAGTGTACTTTGTTAAACACACTGCTGAGGCTTTCATAATCATGGCTCTTAGAAACT	1943	PR	09-APR-1998;	98US-0081195P.
				PR	15-APR-1998;	98US-0081838P.
Db	2223	TTTACAGTGTACTTTGTTAAACACACTGCTGAGGCTTTCATAATCATGGCTCTTAGAACT	2282	PR	21-APR-1998;	98US-0082568P.
				PR	21-APR-1998;	98US-0082569P.
Qy	1944	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGATTTCAACCATGCTTAAATG	2003	PR	22-APR-1998;	98US-0082704P.
				PR	22-APR-1998;	98US-0082797P.
Db	2283	CAGGAAGAGGAGATATGTGGATTAAACCTTTAAGATTTCAACCATGCTTAAATG	2342	PR	22-APR-1998;	98US-0083322P.
				PR	29-APR-1998;	98US-0083495P.
Qy	2004	TACAGATATCAATTTCCATAGCTCAATAAAGATCTGATCTTAGACCAAGCAACA	2063	PR	29-APR-1998;	98US-0083496P.
				PR	29-APR-1998;	98US-0083499P.
Db	2343	TACAGATATCAATTTCCATAGCTCAATAAAGATCTGATCTTAGACCAAGCAACA	2402	PR	29-APR-1998;	98US-0083559P.
				PR	05-MAY-1998;	98US-0083666P.
RESULT 10				PR	06-MAY-1998;	98US-0084414P.
ACA89397				PR	07-MAY-1998;	98US-0084639P.
ID	ACA89397	standard; cDNA; 2403 BP.		PR	07-MAY-1998;	98US-0084640P.
AC	ACA89397;			PR	07-MAY-1998;	98US-0085579P.
DT	09-JUL-2003	(first entry)		PR	15-MAY-1998;	98US-0085580P.
DE	cDNA encoding human PRO polypeptide #23.			PR	15-MAY-1998;	98US-0085582P.
XX	Human; PRO polypeptide; secreted protein; transmembrane protein;			PR	15-MAY-1998;	98US-0085700P.
KW	chromosome mapping; gene mapping; tumor; adrenal; lung; breast;			PR	22-MAY-1998;	98US-0086392P.
KW	prostate; rectal; cervical; liver; cancer; TNF-alpha;			PR	22-MAY-1998;	98US-0086486P.
KW	tumour necrosis factor-alpha; proliferation; differentiation;			PR	28-MAY-1998;	98US-0087098P.
KW	chondrocyte cell; bone disorder; cartilage disorder; sports injury;			PR	28-MAY-1998;	98US-0087208P.
KW	arthritis; cytostatic; antiarthritic; osteopathic; gene therapy; gene;			PR	02-JUN-1998;	98US-0087609P.
XX	ss.			PR	02-JUN-1998;	98US-0087609P.
XX	Homo sapiens.			PR	03-JUN-1998;	98US-0087759P.
XX	US2003036141-A1.			PR	03-JUN-1998;	98US-0087827P.
PN	20-FEB-2003.			PR	04-JUN-1998;	98US-0088025P.
PD	01-JUL-2002; 2002US-00187597.			PR	04-JUN-1998;	98US-0088028P.
PF	18-SEP-1997;	97US-0059263P.		PR	04-JUN-1998;	98US-0088029P.
PR	18-SEP-1997;	97US-0059266P.		PR	04-JUN-1998;	98US-0088033P.
PR	17-OCT-1997;	97US-0062250P.		PR	05-JUN-1998;	98US-0088167P.
PR	21-OCT-1997;	97US-0063486P.		PR	05-JUN-1998;	98US-0088167P.
PR	24-OCT-1997;	97US-0063120P.		PR	05-JUN-1998;	98US-0088212P.
PR	28-OCT-1997;	97US-0063121P.		PR	05-JUN-1998;	98US-0088217P.
PR	28-OCT-1997;	97US-0063540P.		PR	09-JUN-1998;	98US-0088655P.
PR	28-OCT-1997;	97US-0063541P.		PR	10-JUN-1998;	98US-0088722P.
PR	28-OCT-1997;	97US-0063544P.		PR	10-JUN-1998;	98US-0088738P.
PR	29-OCT-1997;	97US-0063734P.		PR	10-JUN-1998;	98US-0088740P.
PR	31-OCT-1997;	97US-0063870P.		PR	10-JUN-1998;	98US-0088811P.
PR	31-OCT-1997;	97US-0064103P.		PR	10-JUN-1998;	98US-0088824P.
PR	13-NOV-1997;	97US-0065311P.		PR	10-JUN-1998;	98US-0088825P.
PR	21-NOV-1997;	97US-0066120P.		PR	10-JUN-1998;	98US-0088826P.
PR	24-NOV-1997;	97US-0066466P.		PR	11-JUN-1998;	98US-0088861P.
PR	11-DEC-1997;	97US-0066772P.		PR	11-JUN-1998;	98US-0088863P.
PR	12-DEC-1997;	97US-0069425P.		PR	11-JUN-1998;	98US-0088876P.
PR	17-DEC-1997;	97US-0069870P.		PR	12-JUN-1998;	98US-0089090P.
PR	18-DEC-1997;	97US-0068017P.		PR	12-JUN-1998;	98US-0089105P.
PR	10-MAR-1998;	98US-0077450P.		PR	16-JUN-1998;	98US-0089512P.
PR	11-MAR-1998;	98US-0077632P.		PR	16-JUN-1998;	98US-0089514P.
PR	11-MAR-1998;	98US-0077649P.		PR	17-JUN-1998;	98US-0089538P.
PR	20-MAR-1998;	98US-0078886P.		PR	17-JUN-1998;	98US-0089598P.
PR	20-MAR-1998;	98US-0078939P.		PR	17-JUN-1998;	98US-0089653P.
PR	27-MAR-1998;	98US-0079664P.		PR	18-JUN-1998;	98US-0089908P.
PR	27-MAR-1998;	98US-0079786P.		PR	19-JUN-1998;	98US-0089952P.
PR	31-MAR-1998;	98US-0080107P.		PR	22-JUN-1998;	98US-0090246P.
PR	31-MAR-1998;	98US-0080194P.		PR	22-JUN-1998;	98US-0090252P.
PR	01-APR-1998;	98US-0080327P.		PR	22-JUN-1998;	98US-0090254P.
PR	01-APR-1998;	98US-0080333P.		PR	24-JUN-1998;	98US-0090429P.
				PR	24-JUN-1998;	98US-0090435P.
				PR	24-JUN-1998;	98US-0090444P.
				PR	24-JUN-1998;	98US-0090461P.
				PR	24-JUN-1998;	98US-0090535P.
				PR	24-JUN-1998;	98US-0090540P.
				PR	25-JUN-1998;	98US-0090676P.
				PR	25-JUN-1998;	98US-0090678P.
				PR	25-JUN-1998;	98US-0090688P.
				PR	25-JUN-1998;	98US-0090690P.
				PR	25-JUN-1998;	98US-0090694P.

[illegible]

Mon Aug 22 09:33:15 2005

us-09-394-264-1.rng

Db 1383 TCTTACCACATGCCCCAACTGGTTTGGCACACAAAATACGTAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTCAGCAAGACCTGTATATACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTCAGCAAGACCTGTATATACTCAGTGAACATTTGCC 1502
Qy 1164 TTCTTAATTCATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTCAATTT 1223
Db 1503 TTTCTAATTCATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTCAATTT 1562
Qy 1224 GTTTCCAAACATGCCAAGACTTTTGAATCTCGGAATTTGGTGGCCAGATAGTCTGCTGTA 1283
Db 1563 GTTTCCAAACATGCCAAGACTTTTGAATCTCGGAATTTGGTGGCCAGATAGTCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAAAT 1682
Qy 1344 GTCCTAGCTGTATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGGTGTATGCC 1403
Db 1683 GTCCTAGCTGTATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGGTGTATGCC 1742
Qy 1404 ATTTCCCTTACTGTAGAAATGTTTGGCCCTATAAGGAGAGACCCCAACAGAACTTC 1463
Db 1743 ATTTCCCTTACTGTAGAAATGTTTGGCCCTATAAGGAGAGACCCCAACAGAACTTC 1802
Qy 1464 CTAGTAATGTTCACAGATGGGAGTCTCTATGATGATGTCAAGGCCCTGAGCTGTGCA 1523
Db 1803 CTAGTAATGTTCACAGATGGGAGTCTCTATGATGATGTCAAGGCCCTGAGCTGTGCA 1862
Qy 1524 CATGATGAGGAATCACTATCTTCTGTGGTGGCTTGGGACCTCTGGATGACCTG 1583
Db 1863 CATGATGAGGAATCACTATCTTCTGTGGTGGCTTGGGACCTCTGGATGACCTG 1922
Qy 1584 AAAGATATGGCTTTTAAACCAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db 1923 AAAGATATGGCTTTTAAACCAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGTATGTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGTATGTATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATTAATGGTAACTTTTGAACCTGAAAGAAAGTACAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATTAATGGTAACTTTTGAACCTGAAAGAAAGTACAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGT 1823
Db 2103 TGTATTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGT 2162
Qy 1824 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTTTTAAAGCGCTGCTTCTGCTTACAA 1883
Db 2163 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTTTTAAAGCGCTGCTTCTGCTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAAGGAGAGATAATGGATTAAACCTTAAAGAGTTCTAACCATGCCCTACTAAATG 2003
Db 2283 CAGGAAAGGAGAGATAATGGATTAAACCTTAAAGAGTTCTAACCATGCCCTACTAAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCATATAAAGATCTGATCTTAGACCAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCATATAAAGATCTGATCTTAGACCAAGCAACA 2402

RESULT 11
ACA73407
ID ACA73407 standard; cDNA; 2403 BP.
XX
AC ACA73407;
XX

DT 01-JUL-2003 (first entry)
XX Human secreted/transmembrane protein (PRO) cDNA #23.
DE Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
XX proliferation; differentiation; chondrocyte cells;
KW tumour necrosis factor-alpha; TNF-alpha; blood; gene therapy.
KW
XX Homo sapiens.
XX US2003036146-A1.
XX 20-FEB-2003.
XX
XX 02-JUL-2002; 2002US-00187603.
XX 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98WO-US0168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 28-FEB-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.

1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT 1343
1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT 1682
1344 GTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGGTGGAAAGCTACTCGTGATGCC 1403
1683 GTCTAGCTGTCAATCAGAAACATCCGCTATATGAGTGGTGGAAAGCTACTCGTGATGCC 1742
1404 ATTTCTCTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1463
1743 ATTTCTCTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1802
1464 CTAGTAATCTCAGATGGGAGTCTATGATGATGTCCAGGCCCTCAGCTGCTGCA 1523
1803 CTAGTAATCTCAGATGGGAGTCTATGATGATGTCCAGGCCCTCAGCTGCTGCA 1862
1524 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACTCTGGATGACCTG 1583
1863 CATGATCGAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACTCTGGATGACCTG 1922
1584 AAGATATGCTTCAACCGAAGGAGTCTCATGCTTCTTCAAGAGAGTTTCAAGCA 1643
1923 AAGATATGCTTCAACCGAAGGAGTCTCATGCTTCTTCAAGAGAGTTTCAAGCA 1982
1644 TTAGAACCAATTTGTTCTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG 1703
1983 TTAGAACCAATTTGTTCTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG 2042
1704 CAATAATGGTAACATTTTGAACAATGAAAGAAAGTCAAGGGGATCCAGTGTGTAAT 1763
2043 CAATAATGGTAACATTTTGAACAATGAAAGAAAGTCAAGGGGATCCAGTGTGTAAT 2102
1764 TGTAATCTCAATACTGAAATGCTTTAGCATCTAGCAATCAGATACAAACTATTAAAGT 1823
2103 TGTAATCTCAATACTGAAATGCTTTAGCATCTAGCAATCAGATACAAACTATTAAAGT 2162
1824 ATGTCAACAGCAATTTAGGCAAAATAAGCACTCTTTAAAGCGCTGCTTCTGGTTACAA 1883
2163 ATGTCAACAGCAATTTAGGCAAAATAAGCACTCTTTAAAGCGCTGCTTCTGGTTACAA 2222
1884 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
1944 CAGGAAAGAGAGATAATGTGGATTAACACCTTAAGAGTTCTAACCATGCTACTAAATG 2003
2283 CAGGAAAGAGAGATAATGTGGATTAACACCTTAAGAGTTCTAACCATGCTACTAAATG 2342
2004 TACAGATATGCAATTTCCATAGCTCAATAAAGATCTGATCTAGACCAAGCAACA 2063
2343 TACAGATATGCAATTTCCATAGCTCAATAAAGATCTGATCTAGACCAAGCAACA 2402

RESULT 12
ACA05722
ID ACA05722 standard; cdna; 2403 BP.
XX
AC ACA05722;
XX
DT 29-MAY-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) cdna #23.
XX
KW Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX
OS Homo sapiens.
XX
PN US2003036162-A1.
XX
PD 20-FEB-2003.

XX 12-JUL-2002; 2002US-00194423.
PF
XX 26-JUN-1998; 98US-00105413.
XX 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 25-AUG-1999; 99US-00380137.
PR 25-AUG-1999; 99US-00380138.
PR 25-AUG-1999; 99US-00380139.
PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1998; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 30-JUL-2001; 2001US-00908827.
PR 18-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.
XX
PA (GETH) GENENTECH INC.
XX
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-332039/31.
DR P-PSDB; ABU67428.
XX
PT New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy, in chromosome and gene mapping, as chromosome markers,
PT in tissue typing, and in chromosome identification.
XX
PS Claim 2; Fig 45; 706pp; English.
XX
CC The invention discloses human nucleic acids encoding secreted and
CC transmembrane (PRO) polypeptides. Also disclosed is an antibody that
CC specifically binds to the PRO polypeptide, a method for stimulating the
CC release of tumor necrosis factor alpha (TNF-alpha) from human blood by
CC contacting the blood a PRO polypeptide, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells by contacting the
CC cells with a PRO polypeptide, a method for detecting the presence of a
CC tumour in a mammal and an oligonucleotide probe derived from any of the
CC PRO nucleotide sequences. The nucleotide sequences are useful as probes,
CC in chromosome and gene mapping, in generating antisense RNA and DNA, in
CC preparing PRO polypeptides by recombinant techniques and in gene therapy
CC (e.g. for replacement of defective gene). The PRO polypeptides are useful
CC as molecular weight markers for protein electrophoresis purposes, for
CC chromosome identification, as chromosome markers, as therapeutic agents,
CC for stimulating the release of TNF-alpha from human blood, for
CC stimulating the proliferation or differentiation of chondrocytes and
CC detecting the presence of a tumour. The PRO polypeptides and nucleic
CC acids may also be used diagnostically for tissue typing. The sequences
CC presented in AC05700-AC06004 are the cDNAs encoding the PRO
CC polypeptides of the invention
XX

SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.18; Score 2028.8; DB 8; Length 2403;
Best Local Similarity 99.78; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGACAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGGCTCTC 83
DB TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 143
DB GGCCTCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGTCT 482
QY 144 ATTGCTATCATGTCTTTTACAGAGGCTTGGACATCAGGAAGAGAGAGAGAGAGAGAGAG 203
DB ATTGCTATCATGTCTTTTACAGAGGCTTGGACATCAGGAAGAGAGAGAGAGAGAGAGAG 542
QY 204 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATATGCTTCT 263
DB TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTGTCTGTCCAGGGGAGTATATCAACAACTCAGGGGGACCT 323
DB GTATCGAGCATATGTGGGGCTGTCTGTCCAGGGGAGTATATCAACAACTCAGGGGGACCT 662
QY 324 GTACGAGCTATAGCCTTACCTGTCTGAGAAAATATTCCTCAGTAGTGCATATGCAATC 383
DB GTACGAGCTATAGCCTTACCTGTCTGAGAAAATATTCCTCAGTAGTGCATATGCAATC 722
QY 384 CAGTCTCAAAATGCTTCTAGATGGTCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 443
DB CAGTCTCAAAATGCTTCTAGATGGTCTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 782
QY 444 ACACAGAGGCCACAGGACAGAGTGTCTCAACAGCAGCATCCACAAACAGGTAACGACATA 503
DB ACACAGAGGCCACAGGACAGAGTGTCTCAACAGCAGCATCCACAAACAGGTAACGACATA 842
QY 504 AAGAAACACCCGAGAGAAAACCTGGCAATAAAGATTGTAAGCAGACATTCATTTCTG 563
DB AAGAAACACCCGAGAGAAAACCTGGCAATAAAGATTGTAAGCAGACATTCATTTCTG 902

QY 564 ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTTTACAGAGAATTTTGTGGA 623
DB ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTTTACAGAGAATTTTGTGGA 962
QY 624 AAGTGGCTCTAATGTTGGGAATTGGAACAGAGGACCAATGTGGGCCCTTGTTCAGGCC 683
DB AAGTGGCTCTAATGTTGGGAATTGGAACAGAGGACCAATGTGGGCCCTTGTTCAGGCC 1022
QY 684 AGTGAAACATCCCAAAATAGAAATTTACTTGAAAACCTTTTACATCAGCCAAAGATGTTT 743
DB AGTGAAACATCCCAAAATAGAAATTTACTTGAAAACCTTTTACATCAGCCAAAGATGTTT 1082
QY 744 TTTGCCATAAGGAAGTAGTGTTCAGAGGGGGTAATTCCTAATACAGGAAAGCCTTCAAG 803
DB TTTGCCATAAGGAAGTAGTGTTCAGAGGGGGTAATTCCTAATACAGGAAAGCCTTCAAG 1142
QY 804 CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGGATCCCAAGTG 863
DB CATACTGCTCAGAAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAGGGATCCCAAGTG 1202
QY 864 GTGCTGTATTTTATTCATGGTTCGCTTCTGTATGACATCCAGGAAGCAGCATTTGTGCC 923
DB GTGCTGTATTTTATTCATGGTTCGCTTCTGTATGACATCCAGGAAGCAGCATTTGTGCC 1262
QY 924 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
DB AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
QY 984 GGGATGGTTCAGGATGTCAATTTGTTGACAGGGTGTCTGTGGAAATAATAGGCTTCTTC 1043
DB GGGATGGTTCAGGATGTCAATTTGTTGACAGGGTGTCTGTGGAAATAATAGGCTTCTTC 1382
QY 1044 TCTTACCAATGCCCAACTGGTTTGGCCACCACAAAATACGTAAGGCTCTGTTACAGAAAG 1103
DB TCTTACCAATGCCCAACTGGTTTGGCCACCACAAAATACGTAAGGCTCTGTTACAGAAAG 1442
QY 1104 CTGTGCACTCATGAACAAATATGATGTGTCAGCAAGACCTGTTTATTAACCTCAGTGAACATTTGCC 1163
DB CTGTGCACTCATGAACAAATATGATGTGTCAGCAAGACCTGTTTATTAACCTCAGTGAACATTTGCC 1502
QY 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
QY 1224 GTTTCCAAATAGCAGAGCTTTTGAATCTCGACATTTGGTGGCCAAAGTAGCTGCTGA 1283
DB GTTTCCAAATAGCAGAGCTTTTGAATCTCGACATTTGGTGGCCAAAGTAGCTGCTGA 1622
QY 1284 CAGTTTACTTATGATCAGGCGCAGGAGTTTCACTGACCTATAGCAGCAAGAGAGAT 1343
DB CAGTTTACTTATGATCAGGCGCAGGAGTTTCACTGACCTATAGCAGCAAGAGAGAT 1682
QY 1344 GTCTAGTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTGATGCC 1403
DB GTCTAGTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTGATGCC 1742
QY 1404 ATTTCTTCACTGTTAGAAATGTGTTGGCCCTTAAAGGGAGAGCCCAACAGAACTTC 1463
DB ATTTCTTCACTGTTAGAAATGTGTTGGCCCTTAAAGGGAGAGCCCAACAGAACTTC 1802
QY 1464 CTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAGGCCCTCGCAGCTGTGCA 1523
DB CTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAGGCCCTCGCAGCTGTGCA 1862
QY 1524 CATGATGAGGAATCACTATCTTCTGTGTGGTGGCTTTGGGCACTCTGTGATGACCTG 1583
DB CATGATGAGGAATCACTATCTTCTGTGTGGTGGCTTTGGGCACTCTGTGATGACCTG 1922
QY 1584 AAGATATGGCTTCTAAACCGAGGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAAGGA 1643
DB AAGATATGGCTTCTAAACCGAGGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAAGGA 1982
QY 1644 TTAGAACCATAATGTTTCTGATGTATCAGAGGATTTGTAGAGATTTCTTAGAATCCAG 1703

Db 1983 TTAGAACCAATTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCGAG 2042
QY 1704 CAAATATGTTAAATTTGCACTGCAAGGAAAGTCAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAAATATGTTAAATTTGCACTGCAAGGAAAGTCAAGGGATCCAGTGTGTAAT 2102
QY 1764 TGTAATCTCATAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAAAT 1823
Db 2103 TGTAATCTCATAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAAAT 2162
QY 1824 ATGTCAACGCCAATTTAGGCAATAAGCACTCTTTAAAGCCGCTCTTGGTTACAA 1883
Db 2163 ATGTCAACGCCAATTTAGGCAATAAGCACTCTTTAAAGCCGCTCTTGGTTACAA 2222
QY 1884 TTTACAGTGACTTTGTTAAACACCTGCTGAGGCTTCAATATCATGGCTCTTAGAAACT 1943
Db 2223 TTTACAGTGACTTTGTTAAACACCTGCTGAGGCTTCAATATCATGGCTCTTAGAAACT 2282
QY 1944 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTTAACCATGCTCTAAATG 2003
Db 2283 CAGGAAAGAGGAGATATGTGGATTAAACCTTTAAGAGTTCTTAACCATGCTCTAAATG 2342
QY 2004 TACAGATATGCAATTCATAGCTCAATAAAGAACTGTAGTACTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTCATAGCTCAATAAAGAACTGTAGTACTAGACCAAAAGCAACA 2402

RESULT 13

ID ACA66556 standard; cDNA; 2403 BP.

XX ACA66556;

XX 23-JUN-2003 (first entry)

XX cDNA encoding human PRO protein #23.

XX Human; tumour; adrenal; lung; colon; breast; prostate; rectal; cervical;
KW liver; PRO; gene therapy; gene; ss.

XX Homo sapiens.

XX US2003036137-A1.

XX 20-FEB-2003.

XX 27-JUN-2002; 2002US-00184640.

XX 26-JUN-1998; 98US-00105413.

XX 16-SEP-1998; 98WO-US019330.

XX 07-OCT-1998; 98US-00168978.

XX 07-OCT-1998; 98WO-US021141.

XX 06-NOV-1998; 98US-00187368.

XX 01-DEC-1998; 98WO-US025108.

XX 07-DEC-1998; 98US-00202054.

XX 03-MAR-1999; 99US-00254311.

XX 08-MAR-1999; 99WO-US005028.

XX 14-MAY-1999; 99US-00311832.

XX 14-MAY-1999; 99WO-US010733.

XX 02-JUN-1999; 99WO-US012252.

XX 25-AUG-1999; 99US-00380137.

XX 25-AUG-1999; 99US-00380138.

XX 25-AUG-1999; 99US-00380139.

XX 01-SEP-1999; 99US-00380142.

XX 01-SEP-1999; 99WO-US020111.

XX 15-SEP-1999; 99WO-US021090.

XX 18-OCT-1999; 99US-00403297.

XX 12-NOV-1999; 99US-00423844.

XX 01-DEC-1999; 99WO-US028301.

XX 02-DEC-1999; 99WO-US028551.

XX 30-DEC-1999; 99WO-US031274.

XX 05-JAN-2000; 2000WO-US000219.

PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014041.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
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(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;

Fan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-342038/32.

P-PSDB; ABU80456.

Three hundred and five nucleic acids encoding secreted and transmembrane PRO polypeptides, useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors.

Claim 2; Fig 45; 708pp; English.

The invention relates to three hundred and five nucleic acids encoding PRO polypeptides (secreted and transmembrane). Methods and compositions of the present invention are useful for the diagnosis, prevention and/or treatment of tumors, such as adrenal, lung, colon, breast, prostate, rectal, cervical or liver tumors. The PRO polypeptides are also useful as molecular weight markers, or for chromosome identification. The PRO genes are useful as hybridisation probes, or for screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The present sequence represents a cDNA encoding a human PRO polypeptide of the invention

Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 8; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

XX DE Novel human secreted and transmembrane protein PRO294 cDNA.
 XX DE
 XX KW Human; secreted and transmembrane protein; PRO; pharmaceutical;
 KW diagnostic; biosensor; bioreactor; Parkinson's disease;
 KW Alzheimer's disease; inflammation; nephritis; wound healing;
 KW nerve repair; collateral blood vessel formation; cancer;
 KW colorectal cancer; haemorrhage; rheumatoid arthritis; diabetes;
 KW cirrhosis; fibrosis; restenosis; dermal fibrotic condition; keloid;
 KW scarring; ischaemia; stroke; hypertension; heart attack; atherosclerosis;
 KW infertility; gene therapy; gene; ss.
 XX OS
 XX OS Homo sapiens.
 XX PN US2002197671-A1.
 XX PD 26-DEC-2002.
 XX PF 17-JUL-2001; 2001US-00907824.
 XX PF 17-SEP-1997; 97US-0059113P.
 XX PF 17-SEP-1997; 97US-0059115P.
 XX PF 17-SEP-1997; 97US-0059117P.
 XX PF 17-SEP-1997; 97US-0059119P.
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 XX PF 17-SEP-1997; 97US-0059122P.
 XX PF 17-SEP-1997; 97US-0059184P.
 XX PF 18-SEP-1997; 97US-0059263P.
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 XX PF 24-NOV-1997; 97US-0066770P.
 XX PF 24-NOV-1997; 97US-0066772P.
 XX PF 10-SEP-1998; 98WO-US018824.
 XX PF 14-SEP-1998; 98WO-US019177.
 XX PF 16-SEP-1998; 98WO-US019330.
 XX PF 17-SEP-1998; 98WO-US019437.

PR 01-DEC-1998; 98WO-US025108.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
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 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
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 PR 20-DEC-1999; 99WO-US030999.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 02-MAY-2000; 2000WO-US014042.
 PR 22-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-00665350.
 XX (GETH) GENENTECH INC.
 PA Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N;
 PI Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ;
 PI Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
 PI Williams PM, Wood WI;
 XX WPI; 2003-370793/35.
 DR P-P8DB; ABO01813.
 XX New genes and secreted and transmembrane polypeptides (e.g. PRO245 or
 PT PRO35), useful for treating or diagnosing e.g. Alzheimer's disease,
 PT cancers, hemorrhage, rheumatoid arthritis, diabetes, cirrhosis, ischemia
 PT or strokes.
 XX Claim 2; Fig 81; 482pp; English.
 PS The invention describes a new isolated nucleic acid molecule comprising
 CC the full length coding sequence of the DNA deposited with the American
 CC Type Culture Collection (e.g. ATCC Deposit No. 209258), or a sequence
 CC with at least 80% identity to a DNA encoding a PRO polypeptide comprising
 CC any of 61 sequences having 164-1119 amino acids fully defined in the
 CC specification. The PRO polypeptides or polynucleotides are useful as
 CC pharmaceuticals, diagnostics, biosensors or bioreactors. These are
 CC particularly useful for detecting or treating e.g. Parkinson's disease,
 CC Alzheimer's disease, inflammation, nephritis, wound healing, nerve
 CC repair, collateral blood vessel formation, cancers (e.g. colorectal
 CC cancer), haemorrhage (or reduce risk for haemorrhage), rheumatoid
 CC arthritis, diabetes, cirrhosis of the liver, fibrosis of the lungs,
 CC restenosis, dermal fibrotic conditions (e.g. keloids or scarring),
 CC ischaemia, strokes, hypertension, heart attacks, atherosclerosis, or
 CC infertility in mammals (e.g. humans, dogs, cats, cattle, horses, sheep,
 CC pigs, goats, or rabbits) The PRO polypeptides are useful as targets for
 CC therapeutic intervention in these diseases, and diagnostic determination
 CC of the presence of these diseases. The PRO polypeptides are also useful
 CC as molecular weight markers, or for chromosome identification. The PRO
 CC genes are useful as hybridisation probes, or for screening libraries of
 CC human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
 CC therapy, particularly for replacing a defective gene. This sequence
 CC encodes a novel human secreted and transmembrane PRO polypeptide
 XX SQ Sequence 2403 BP; 630 A; 557 C; 604 G; 612 T; 0 U; 0 Other;

Query Match 80.1%; Score 2028.8; DB 8; Length 2403;
 Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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Qy 603 GTATCGAGCATATGTGGGCTGTCTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 662
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Qy 324 GTACGAGCTATAGCTTACCTGTGCGAGAACTTCTTCTCAGTAACTAAAGGCAAAAGTAGT 383
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Qy 783 ACACAGAGGCGCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842
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ACF20131;
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DT 18-SEP-2003 (first entry)
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XX DE Human secreted polypeptide PRO294-encoding cDNA, SEQ ID NO:45.
XX DE
XX KW KW Human; PRO; secreted protein; transmembrane protein;
XX KW extracellular domain; tumour necrosis factor-alpha; TNF-alpha;
XX KW chondrocyte; proliferation; differentiation; cartilage disorder;
XX KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
XX KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
XX KW liver; drug screening; transgenic animal; genetic analysis;
XX KW antiarthritic; vulnerary; gene therapy; gene; ss.
OS Homo sapiens.
XX
XX US2003040063-A1.
XX
XX 27-FEB-2003.
XX
XX 26-JUN-2002; 2002US-0183006.
XX
XX 18-SEP-1997; 97US-0059263P.
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XX 17-OCT-1997; 97US-0062250P.
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PR 25-JUN-1998; 98US-0090676P.
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PR 25-JUN-1998; 98US-0090688P.
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PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
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PR 02-JUL-1998; 98US-0091632P.
PR 04-AUG-1998; 98US-0094006P.
PR 10-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095398P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.

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Db	2043	CAATAATGGTAAACATTTTGACAACTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT	2102
QY	1764	TGTATTTCTATAATACCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAACT	1823
Db	2103	TGTATTTCTATAATACCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACCTATTAACT	2162
QY	1824	ATGTCACAGCCTTTTAGGCAAAATAAGCACTCTCTTTAAAGCCGCTTCTGGTTACAA	1883
Db	2163	ATGTCACAGCCTTTTAGGCAAAATAAGCACTCTCTTTAAAGCCGCTTCTGGTTACAA	2222
QY	1884	TTTACAGTGTACTTTGTTAAAAACA CTGCTGAGGCTTCAATAATCATGGCTCTTTAGAACT	1943
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Search completed: August 21, 2005, 16:56:05
Job time : 908 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:43:48 ; Search time 5389 Seconds
(without alignments)

17898.471 Million cell updates/sec

Title: US-09-394-264-1

Perfect score: 2534

Sequence: 1 gcactcgggcgcagccgggt.....aactgtatgagttattgt 2534

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_est3:*

4: gb_est4:*

5: gb_est5:*

6: gb_est6:*

7: gb_est7:*

8: gb_est8:*

9: gb_est9:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2031.6	80.2	2073	3 BC000640	BC000640 Homo sapi
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3	1989.2	78.5	2357	3 CR611655	CR611655 full-leng
4	1474.2	58.2	2570	3 AK028690	AK028690 Mus muscu
5	1376	54.3	1376	3 CR614743	CR614743 full-leng
6	1004.6	39.6	1128	5 BX375926	BX375926 BX375926
7	997	39.3	1119	5 BX421290	BX421290 BX421290
8	941.2	37.1	1050	5 BX375927	BX375927 BX375927
9	935.2	36.9	963	5 BX342574	BX342574 BX342574
10	908.6	35.9	992	5 BX439039	BX439039 BX439039
11	901.4	35.6	914	5 BX342575	BX342575 BX342575
12	868	34.3	945	5 BU165034	BU165034 AGENCOURT
13	857.4	33.8	894	5 BX347412	BX347412 BX347412
14	837.8	33.1	895	5 BX45470	BX45470 BX45470
15	837.6	33.1	889	5 BX408414	BX408414 BX408414
16	811.4	32.0	981	5 BX374471	BX374471 BX374471
17	806.6	31.8	1086	5 BX416084	BX416084 BX416084
18	801.6	31.6	813	5 BX445649	BX445649 BX445649
19	793.8	31.3	877	5 BU159461	BU159461 AGENCOURT
20	776.2	30.6	863	5 BX445648	BX445648 BX445648
21	764	30.1	945	5 BX347211	BX347211 BX347211
22	762.6	30.1	855	5 BX450424	BX450424 BX450424
23	714.2	28.2	824	5 BX367978	BX367978 BX367978
24	706.6	27.9	880	5 BX388870	BX388870 BX388870

25	693.2	27.4	844	5	BX429188	BX429188
26	691.8	27.3	764	4	BF967556	BF967556 602287419
27	688	27.2	759	4	BI1667395	BI1667395 603292176
28	674.8	26.6	872	4	BI116915	BI116915 602867667
29	663.4	26.2	677	7	CN410171	CN410171 170004245
30	660.2	26.1	844	5	BQ887456	BQ887456 AGENCOURT
31	660	26.0	875	7	CF553156	CF553156 AGENCOURT
32	654.8	25.8	658	4	BI495105	BI495105 df115a12
33	653.6	25.7	795	7	COS72250	COS72250 AGENCOURT
34	650.8	25.7	883	5	BX325807	BX325807 BX325807
35	636.8	25.1	713	1	AV717153	AV717153 AV717153
36	635.2	25.1	947	5	BQ887622	BQ887622 AGENCOURT
37	630.2	24.9	1175	4	BF974702	BF974702 602245344
38	626	24.7	655	4	BG396678	BG396678 602459750
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ALIGNMENTS

BC000640 2073 bp mRNA linear HTC 12-OCT-2004
Homo sapiens cDNA clone IMAGE:3342932, containing frame-shift errors.

ACCESSION BC000640

VERSION BC000640.2 GI:33875673

KEYWORDS HTC

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE 1 (bases 1 to 2073)

AUTHORS

Klausner, R.D., Collins, F.S., Wagner, L.H., Derge, J.G., Strausberg, R.L., Feingold, E.A., Grouse, L.H., Schmechel, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.P., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toehiyuki, S., Carrinci, P., Frange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalón, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Kettner, M., Madan, A., Rodriguez, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smalls, D.E., Scherch, A., Schein, J.E., Jones, S.J. and Marra, M.A.
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
12477932
2 (bases 1 to 2073)
Director MGC Project.
Direct Submission
Submitted (15-NOV-2000) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
On Aug 19, 2003 this sequence version replaced gi:12653710.
Contact: MGC help desk
Email: cgabbs@mail.nih.gov
Tissue Procurement: ATCC

QY 1634 GTTCACAGGATTAGAACCAATTGTTCTGATGTCATCAGAGGCATTGTAGAGATTTCCT 1693
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RESULT 2

BC018827 2074 bp mRNA linear HTC 12-OCT-2004
LOCUS Homo sapiens cDNA clone IMAGE:3342653.
DEFINITION BC018827
ACCESSION BC018827
VERSION BC018827.2 GI:33870582

KEYWORDS

HTC.

SOURCE

Homo sapiens (human)

ORGANISM

Eukaryota; Chordata; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 2074)

Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,

Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,

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Stapleton M., Soares M.B., Bonaldo M.P., Casavant T.L.,

Scheetz T.E., Brownstein M.J., Usdin T.B., Toshiyuki S.,

Carninci P., Prange C., Raja S.S., Loquellano N.A., Peters G.J.,

Abramson R.D., Mullaly S.J., Bosak S.A., McEwan P.J.,

McKernan K.J., Malek J.A., Gunaratne P.H., Richards S.,

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Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D.,

Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,

Butterfield Y.S., Krzywinski M.I., Skalska U., Smalls D.E.,

Schnerch A., Schein J.E., Jones S.J. and Marra M.A.

Generation and initial analysis of more than 15,000 full-length

human and mouse cDNA sequences

Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)

12477932

2 (bases 1 to 2074)

Director MGC Project.

Direct Submission

Submitted (07-DEC-2001) National Institutes of Health, Mammalian

Gene Collection (MGC), Cancer Genomics Office, National Cancer

Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,

REMARK
COMMENT

USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
On Aug 19, 2003 this sequence version replaced gi:17402970.
Contact: MGC help desk

Email: cgabbs-remail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Rubin Laboratory
DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)
Sequencing Center (NISC),
Gaithersburg, Maryland;
Web site: <http://www.nisc.nih.gov/>
Contact: nisc_mgc@nigr.nih.gov
Akhter, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,
Blakesley, R.W., Bouffard, G.G., Breen, K., Brinkley, C., Brooks, S.,
Dierich, N.L., Granite, S., Guan, X., Gupta, J., Haghighi, P.,
Hansen, N., Ho, S.-L., Karlins, E., Kwong, P., Loric, P., Legaspi, R.,
Maduro, Q.L., Mastello, C., Maskeri, B., Mastrian, S.D., McCloskey, J.C.,
McDowell, J., Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W.,
Tsourgeon, C., Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L.,
Young, A., Zhang, L.-H. and Green, E.D.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAL Plate: 5 Row: j Column: 1
This clone was selected for full length sequencing because it
passed the following selection criteria: matched mRNA gi: 4826685
This clone has the following problem: no 5' EST match.

FEATURES
source

Location/Qualifiers
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/note="Vector: pOTB7"

ORIGIN

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Best Local Similarity 99.8%; Pred. No. 0;
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QY 74 CCCGGCTCTCGGCCTCGGTGTGTGTCTGTCTGCTGCTGCGGGGCCCGCGGCGAGG 133
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Qy 1934 CTTAGAAATCTAGGAAAGAGAGATTAATGTGATTTAAACCTTTAGAGTTCTTAACATGC 1993
Db 1920 CTTAGAAATCTAGGAAAGAGAGATTAATGTGATTTAAACCTTTAGAGTTCTTAACATGC 1979
Qy 1994 CTACTAAATGTACAGATATGCAAAATTCATAGTCTCAATAAAGAAATCTGATACCTTAGACC 2053
Db 1980 CTACTAAATGTACAGATATGCAAAATTCATAGTCTCAATAAAGAAATCTGATACCTTAGACC 2039
Qy 2054 AAAACCAACA 2063
Db 2040 AAAACCAAAA 2049

RESULT 3
LOCUS CR611655
DEFINITION full-length cDNA clone CS0DB004Y106 of Neuroblastoma Cot
10-normalized of Homo sapiens (human).
ACCESSION CR611655
VERSION CR611655.1 GI:50492462
KEYWORDS HTC; CNSLT cDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 2357)
AUTHORS Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
REMARK Contact : Peng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue
2 (bases 1 to 2357)
REFERENCE Genoscope.
AUTHORS Direct Submission
TITLE Submitted (20-JUL-2004) Genoscope - Centre National de Sequençage :
JOURNAL BP 191 91006 EVRY cedex - FRANCE (E-mail : seqrefgenoscope.cns.fr
COMMENT - Web : www.genoscope.cns.fr)
1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen
FEATURES
source
1..2357
/organism="Homo sapiens"
/mol_type="mRNA"

/db_xref="taxon:9606"
/clone="CS0DB004Y106"
/issue_type="Neuroblastoma Cot 10-normalized"
/plasmid="pCMVSPORT_6"

ORIGIN

Query Match	78.5%;	Score	1989.2;	DB	3;	Length	2357;		
Best Local Similarity	99.8%;	Pred. No.	0;	Mismatches	3;	Indels	0;	Gaps	0;
Matches 1991;	Conservative	0;							
24	TCTCGAGCGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTCGATCCCGGCTCTC	83							
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84	GGCTCGGTGTGTCTGTCTGTCTGCTGCTGCCGGGGCCCGCGGCGCAGCAGGAGCGCTCCC	143							
424	GGCTCGGTGTGTCTGTCTGTCTGCTGCCGGGGCCCGCGGCGCAGCAGGAGCGCTCCC	483							
144	ATTGCTATCATGTTTTACAGAGGCTTGGAATCAGGAAAGAGAAAGCAGATGCTCTC	203							
484	ATTGCTATCATGTTTTACAGAGGCTTGGAATCAGGAAAGAGAAAGCAGATGCTCTC	543							
204	TGCCAGGGGCTGCCCTCTTTAGGAATTTCTCTGTATGGGAACATAGTATATGCTTCT	263							
544	TGCCAGGGGCTGCCCTCTTTAGGAATTTCTCTGTATGGGAACATAGTATATGCTTCT	603							
264	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	323							
604	GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT	663							
324	GTACGAGTCTATAGCCTTACCTGTCGAGAAACTATTTCTCAGTAGATGCCAATGGCATC	383							
664	GTACGAGTCTATAGCCTTACCTGTCGAGAAACTATTTCTCAGTAGATGCCAATGGCATC	723							
384	CAGTCTCAATGCTTTCTAGATGGTCTGCTTTCTTACAGTAATCAAGGCAAAAGTAGT	443							
724	CAGTCTCAATGCTTTCTAGATGGTCTGCTTTCTTACAGTAATCAAGGCAAAAGTAGT	783							
444	ACACAGAGGCCACAGGACAAGCAGTGTCCACAGGACATCCACCAACAGGTAACCACTA	503							
784	ACACAGAGGCCACAGGACAAGCAGTGTCCACAGGACATCCACCAACAGGTAACCACTA	843							
504	AAGAAACACCCGAGAGAAACTGCGCAATTAAGATTTGTAAGCAGACATTTGCAATTTCTG	563							
844	AAGAAACACCCGAGAGAAACTGCGCAATTAAGATTTGTAAGCAGACATTTGCAATTTCTG	903							
564	ATTGATGGAAGCTTTAATATTGGGACGCGGATTTAATTACAGAAATTTGTTGGA	623							
904	ATTGATGGAAGCTTTAATATTGGGACGCGGATTTAATTACAGAAATTTGTTGGA	963							
624	AAAGTGGCTCTAATGTTGGAAATTGGAACAGAGGACCATGCTGGGCTTTGTTCAAGCC	683							
964	AAAGTGGCTCTAATGTTGGAAATTGGAACAGAGGACCATGCTGGGCTTTGTTCAAGCC	1023							
684	AGTGAACATCCCAAAATAGAATTTTACTTGAATACTTTACATCAGCCAAAGATGTTTG	743							
1024	AGTGAACATCCCAAAATAGAATTTTACTTGAATACTTTACATCAGCCAAAGATGTTTG	1083							
744	TTTGCCATAAGGAAGTAGTTTTCAGAGGGGTAAATTCOAATCAGAAAGCCTTGAAG	803							
1084	TTTGCCATAAGGAAGTAGTTTTCAGAGGGGTAAATTCOAATCAGAAAGCCTTGAAG	1143							
804	CATAGTCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	863							
1144	CATAGTCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	1203							
864	GTGGTGGTATTTATGATGTTGGCTTCTGATGACATCCAGGAAGCAGGCAATTTGGCC	923							
1204	GTGGTGGTATTTATGATGTTGGCTTCTGATGACATCCAGGAAGCAGGCAATTTGGCC	1263							
924	AGAGAGTTTGGTCTCAATGATTTATAGTTTCTGTGGCCAGGCTATTCCTGAAGACTG	983							
1264	AGAGAGTTTGGTCTCAATGATTTATAGTTTCTGTGGCCAGGCTATTCCTGAAGACTG	1323							

QY	984	GGGATGGTTTCTGAGATGTCTCAATTTGTTGCAAGGCTGTCTGTGCGAATATGCTTCTTC	1043
DB	1324	GGGATGGTTTCTGAGATGTCTCAATTTGTTGCAAGGCTGTCTGTGCGAATATGCTTCTTC	1383
QY	1044	TCTTACCAATGCTGAGTGGTTTGGCAACAATAATGCTGCTGCTGCTGCTGCTGCTGCTG	1103
DB	1384	TCTTACCAATGCTGAGTGGTTTGGCAACAATAATGCTGCTGCTGCTGCTGCTGCTGCTG	1443
QY	1104	CTGTGCACTCATGAAACAAATGATGTGAGCAAGCTGTTATTAACCTCAGTGAACATGCTC	1163
DB	1444	CTGTGCACTCATGAAACAAATGATGTGAGCAAGCTGTTATTAACCTCAGTGAACATGCTC	1503
QY	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTTCCGCTCATGCTTGAATTT	1223
DB	1504	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTTCCGCTCATGCTTGAATTT	1563
QY	1224	GTTCCTCAACATAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1283
DB	1564	GTTCCTCAACATAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1623
QY	1284	CAGTTTACTTATGATCAGCGCAGGAGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1343
DB	1624	CAGTTTACTTATGATCAGCGCAGGAGTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1683
QY	1344	GTTCCTCAACATAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1403
DB	1684	GTTCCTCAACATAGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1743
QY	1404	ATTTCTCTTCACTGTTAGAAATGTGTTTGGCTTATTAAGGGAGAGCCCAACAAAGAACTTC	1463
DB	1744	ATTTCTCTTCACTGTTAGAAATGTGTTTGGCTTATTAAGGGAGAGCCCAACAAAGAACTTC	1803
QY	1464	CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGATGATGATGATGATGATGATGATG	1523
DB	1804	CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGATGATGATGATGATGATGATGATG	1863
QY	1524	CATGATGAGGAACTCACTATCTTCTGTTGGTGTGGCTTGGGCACTCTCTGATGATGATG	1583
DB	1864	CATGATGAGGAACTCACTATCTTCTGTTGGTGTGGCTTGGGCACTCTCTGATGATGATG	1923
QY	1584	AAAGATATGGCTTTTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA	1643
DB	1924	AAAGATATGGCTTTTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAAGGA	1983
QY	1644	TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGATGATGATGATGATGATGATG	1703
DB	1984	TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGATGATGATGATGATGATGATG	2043
QY	1704	CAATATGCTAAATTTTCAAACTGAAAGAAAGTCAAGGGGATCCAGTGTGTAAAT	1763
DB	2044	CAATATGCTAAATTTTCAAACTGAAAGAAAGTCAAGGGGATCCAGTGTGTAAAT	2103
QY	1764	TGTAATTTCTCAATATCTGAAATGCTTTAGCATCTAGTAATCAGATACAAATCTTAAAGT	1823
DB	2104	TGTAATTTCTCAATATCTGAAATGCTTTAGCATCTAGTAATCAGATACAAATCTTAAAGT	2163
QY	1824	ATGTCAAGAGCCTTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTGCTGCTGCTGCTG	1883
DB	2164	ATGTCAAGAGCCTTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTGCTGCTGCTGCTG	2223
QY	1884	TTTACAGTGTCTTCTTGTAAACACTGCTGAGGCTTCTAATCTAGGCTCTTCTGAGAACT	1943
DB	2224	TTTACAGTGTCTTCTTGTAAACACTGCTGAGGCTTCTAATCTAGGCTCTTCTGAGAACT	2283
QY	1944	CAGGAAAGAGGAGATTAATGCTGATTAACCTTTAAGAGTTCTTAACCATGCTTAAATG	2003
DB	2284	CAGGAAAGAGGAGATTAATGCTGATTAACCTTTAAGAGTTCTTAACCATGCTTAAATG	2343
QY	2004	TACAGATATGCAAA 2017	
DB	2344	TACAGATATGCAAA 2357	

RESULT 4 AK028690 LOCUS DEFINITION	2570 bp mRNA linear HTC 03-APR-2004		COMMENT	cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken contributed to prepare mouse tissues. Please visit our web site for further details. URL:http://genome.gsc.riken.jp/ URL:http://fantom.gsc.riken.jp/.			
	ACCESSION	AK028690.1		Location/Qualifiers			
	VERSION	GI:26324625		1. .2570			
	KEYWORDS	HTC; CAP trapper.		/organism="Mus musculus"			
SOURCE	Mus musculus (house mouse)		FEATURES	/mol_type="mRNA"			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.			/strain="C57BL/6J"			
	1			/db_xref="PANTOM.DB:4732436E03"			
	Carninci, P. and Hayashizaki, Y.			/db_xref="taxon:10090"			
REFERENCE	High-efficiency full-length cDNA cloning		CDS	/tissue type="skin"			
	Meth. Enzymol. 303, 19-44 (1999)			/clone lib="RIKEN full-length enriched mouse cDNA library"			
	92279253			/dev_stage="10 days neonate"			
	10349636			171..1829			
AUTHORS	2		ORIGIN	/note="unnamed protein product; coagulation factor C			
	Itoh, M., Kanno, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.			homolog (Limulus polyphemus) (MGD GI:1278313,			
	Normalization and subtraction of cap-trapper-selected cDNAs to			GB NM_007728, evidence: BLASTN, 99%, match=2412)			
	Prepare full-length cDNA libraries for rapid discovery of new genes			putative"			
TITLE	Genome Res. 10 (10), 1617-1630 (2000)		Query Match	58.2%; Score 1474.2; DB 3; Length 2570;			
	20499374			QY	Best Local Similarity 80.8%; Pred. No. 0;		
	11042159				Db	Matches 1887; Conservative 0; Mismatches 363; Indels 85; Gaps 11;	
	3					52 TCACCATGTCGCGAGCTGGATCCCGGCTCTCGGCTCTGGTGTGTGTCTGCTGCTGTC 111	
JOURNAL	Shibata, K., Itoh, M., Aizawa, K., Nagaoka, S., Sasaki, N., Carninci, P.,		QY			166 TCGCCATGCCCTCGTCCAGATCCCTGCTCTCTGCTCGGTGCGTGTGCTCTCTGTC 225	
	Kanno, H., Akiyama, J., Nishi, K., Kiteunai, T., Tashiro, H., Itoh, M.,			Db		112 CGGGGCC-----CGCGGGCAGCGAGGAGCGGCTCCCATTTGCTATCATGTTTACCA 165	
	Sumi, N., Ishii, Y., Nakamura, S., Hazama, M., Nishine, T., Harada, A.,				QY	226 TGTGTCGCCCGGTTTGGCGCGCGCGAGGAGCGGTTCCCATTCCTGTCACTGCTTTACCA 285	
MEDLINE	Yamamoto, R., Matsumoto, H., Sakaguchi, S., Ikegami, T., Kashiwagi, K.,		QY			166 GAGGCTTGGACATCAGGAAGAAGACAGATGTCTCTGCCAGGGGGCTGCCCTCTTG 225	
	Fujiwaka, S., Inoue, K., Togawa, Y., Izawa, M., Ohara, E., Watahiki, M.,			Db		286 GAGGCTCGATATCCGAAAGAAGACAGATGTTCTCTGCCAGGAGGCTGCTCTCTTG 345	
	Yoneda, Y., Ishikawa, T., Ozawa, Y., Tanaka, T., Matsuura, S., Kawai, J.,				QY	226 AGGAATTCCTGTGTATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGCTG 285	
PUBMED	Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and Hayashizaki, Y.		QY			346 AGGAATTCCTGTGTATGGGAACATAGTATGTCGTGTCAGTCAGTCAGTCAGTCAGTC 405	
	RIKEN integrated sequence analysis (RISA) system--384-format			QY		286 CTGTCCACAGGGGAGTAATCAGCACTCAGGGGAGCCTGTACGAGTCTATAGCCTACTG 345	
	sequencing pipeline with 384 multicapillary sequencer				Db	406 CTGTCCATAGGGGAGTGATGGCACTCAGGGGAGCCTGTGGCGTGTCTACAGCTTCTG 465	
JOURNAL	Genome Res. 10 (11), 1757-1771 (2000)		QY			346 GTCGAGAAACTATTTCCTCAGTAGATGCCAATGGCAATCCAGTCTCAAAATGCTTTAGAT 405	
	20530913			QY		466 GTCGAGAGAACTACTCTCTCGTAGTGCACGCGCATCCAGTCTCAGATGCTTTCCCGAT 525	
	11076861				QY	406 GGTCTGCTTTTTCACAGTAACTAAAGCAAAAGTAGTACACAGAGGCCACAGGACAAG 465	
AUTHORS	4		QY			526 GGTCCGCGTCTCTGCTGTGACCAAGGCAAAAGCAGTACCCAGGAAAGCCACAGGACGG 585	
	The RIKEN Genome Exploration Research Group Phase II Team and the			QY		466 CAGTGTCACAGCACATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAGAAA 525	
	Functional annotation of a full-length mouse cDNA collection						
TITLE	Nature 409, 685-690 (2001)		QY				
	5			QY			
	The FANTOM Consortium and the RIKEN Genome Exploration Research						
JOURNAL	Group Phase I & II Team.		QY				
	Analysis of the mouse transcriptome based on functional annotation			QY			
	of 60,770 full-length cDNAs				QY		
REFERENCE	Nature 420, 563-573 (2002)		QY				
	6 (bases 1 to 2570)			QY			
	Adachi, J., Aizawa, K., Akimura, T., Arakawa, T., Bono, H., Carninci, P.,				QY		
AUTHORS	Fukuda, S., Furuno, M., Hanagaki, T., Hara, A., Hashizume, W.,		QY				
	Hayashida, K., Hayatsu, N., Hiramoto, K., Hiraoka, T., Hirozane, T.,			QY			
	Hori, F., Imotani, K., Ishii, Y., Itoh, M., Kagawa, I., Kasukawa, T.,				QY		
JOURNAL	Kato, H., Kawai, J., Kojima, Y., Kondo, S., Konno, H., Kouda, M.,		QY				
	Koya, S., Kurihara, C., Matsuyama, T., Miyazaki, A., Murata, M.,			QY			
	Nakamura, M., Nishi, K., Nomura, K., Numazaki, R., Ohno, M., Ohsato, N.,				QY		
REFERENCE	Okazaki, Y., Saito, R., Saitoh, H., Sakai, C., Sakai, K., Sakazume, N.,		QY				
	Sano, H., Sasaki, D., Shibata, K., Shinagawa, A., Shiraki, T.,			QY			
	Sogabe, Y., Tagami, M., Tagawa, A., Takahashi, F., Takaku-Akahira, S.,				QY		
AUTHORS	Takeda, Y., Tanaka, T., Tomaru, A., Toya, T., Yasunishi, A.,		QY				
	Muramatsu, M. and Hayashizaki, Y.			QY			
	Direct Submission				QY		
TITLE	Submitted (16-JUL-2001) Yoshihide Hayashizaki, The Institute of		QY				
	Physical and Chemical Research (RIKEN), Laboratory for Genome			QY			
	Exploration Research Group, RIKEN Genomic Sciences Center (GSC),				QY		
JOURNAL	RIKEN Yokohama Institute, 1-7-22 Suehiro-cho, Teurumi-ku, Yokohama,		QY				
	Kanagawa 230-0045, Japan (E-mail: genome-res@gsc.riken.jp,			QY			
	URL:http://genome.gsc.riken.jp/, Tel:81-45-503-9222,				QY		
AUTHORS	Fax:81-45-503-9216)		QY				

586	Db	CAGTGTCCAGAGCCCAACCCCTTCACGGTAAAGACCTAAAGAAAGACACACAGAGAAAGA	645
526	Qy	CTGGCAATAAAGATTGTAAGCAGACACATTCGATTTCTGATTTGATGGGAAGCTTTAATAATTG	585
646	Db	CTGGCAACAAGACTGTAAAGCAGACATTCGATTTCTCATTTGATGGGAAGCTTCATATTG	705
586	Qy	GGCAGCGCGATTTTAAATTTTACAGAAGAAATTTTGTGTGGAAAGTGGCTCTAATGTTGGAA	645
706	Db	GGCAGCGCGATTTTAAATTTTGTGAGAAGAAATTTTGTGTGGAAAGTGGCACTAATGTTGGAA	765
646	Qy	TTGGAAACAGAGAGCACATGTGGGCTTGTTCAGCGCTGGAACATCCCAAAATAGAAAT	705
766	Db	TTGGAAACAGAGAGCACACATGTGGGCTTGTTCAGCGCTGGAACATCCCAAAATAGAAAT	825
706	Qy	TTTACTTCAAAAACTTTACATCAGCCAAAGATGTTTTTGTGGCCATAAAGGAAGTAGGTT	765
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766	Qy	TCAGAGGGGGTAATTCCAATACAGGAAAGAGCTTTGAAAGCATPACGTCTCAGAAATTCCTCA	825
886	Db	TCCAGGGGGTAACTCCAAACAGAGAAAGAGCTTTGAAAGCATCCTGCTCAGAAATTCCTTA	945
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886	Qy	GGCCTCTTGATGACATCAGAGNAGCAGGCATTTGTGGCCAGAGAGTTTGGTGTCAATCTAT	945
1006	Db	GGCCTCTTGATGACATTTGAGNAGCAGGCATTTGTGGCCAGAGAGTTTGGTGTCAATCTAT	1065
946	Qy	TTATAGTTTCTGTGGCCAGCCTATCCCTGAAAGAACTGGGGATGGTTCAGGATGTCAAT	1005
1066	Db	TTATAGTTTCTGTGGCCAGCCTATCCTGAAAGAACTGGGGATGGTTCAGGATGTTCAT	1125
1006	Qy	TTGTTGACAGGCTGTCTGTGGAATAATGGCTTCTCTCTTACCACATGCCCACTGGT	1065
1126	Db	TTGTTGACAGGCTGTGTGTGGAAATATGGCTTCTCTCTTATCACAATGCCCACTGGT	1185
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1126	Qy	TGTGCACAGACCTGTTATTAACCTCAGTGAAACATTCGCTTTTCTAATTTGATGGCTCCAGCA	1185
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1186	Qy	GTGTTGAGATAGCAATTTCCGCTCATGCTTGAATTTGTTTCCAAATAGCCCAAGCTT	1245
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1306	Qy	CGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAAATGTCCTAGCTGTGCATCAGAAACA	1365
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1366	Qy	TCCGCTATATGAGTGGTGGAAACAGCTACTGTTGATGCGCAATTTCTTCACTGTTAGAAATG	1425
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1426	Qy	TGTTTGGCCCTATAAGGGAGAGCCCCAACAGAACTTCTAGTAAATTTGTCACAGATGGGC	1485
1546	Db	TATTTGGTCCCATAGGGAGAGCCCCAACAAAAACTTCTCGGTATTGTCACAGATGGGC	1605
1486	Qy	AGTCCTATGATGATGTCCAGGGCCCTGCAGCTGCTGCACATGATGCAGGAATCACTATCT	1545
1606	Db	AGTCCTATGATGATGTCCGAGGGCCCTGCTGCAGCTGCCATGATGCAGGTATCACCATCT	1665
1546	Qy	TCTCTGTGTGGTGTGGGCACTCTGGAATGACCTGGAAGATATGGCTTCTAAACCGA	1605
1666	Db	TCTCTGTGTGGTGTGGGCAACGGTGTGATGACCTGGAAGATATGGCTTCTAAACCGA	1725

Qy	1606	AGGAGTCTCATGCTTTCTTCCAAAGAGAGTTACAGAGATTAGAACCAATTTGTTTCTCATG	1665
Db	1726	AAGAGTCACACGCTTTCTTTACCAGAGAGTTACAGGGTTAGAACCAATTTGTCTCTCAGC	1785
Qy	1666	TCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAAGCAATTAATGCTACATTTTGACA	1725
Db	1786	TCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAAGCAATTAACCG--ATACTCTGACA	1843
Qy	1726	ACTGAAAGAAAAAGTACAAAGGGGATCCAGTGTGTAAATTTGTTCTCATTAATACTGAAAT	1785
Db	1844	ACTCAAGGATACGTCGAAGGGATCTAATGTGCAATTAATATCTC-----AAT	1893
Qy	1786	GCTTTAGCATCTAGATCTAGATACAAAACTAATTAAGTATGTGTCACAGCCATTTAGGCAA	1845
Db	1894	GCCTATGTAACTTTATAGCTTACCAAGTGTCAAAAAATGCGTCCACAGCTGTTTAAAGCAA	1953
Qy	1846	ATAAGCACTCTTTAAAGCCGTGCCCTTCCTGTTTACAAATTTACAGTCTACTTGTGTTAAAA	1905
Db	1954	ATGAATATTCTAGTGA-----TGCTCACANTTTAGATTG-----	1987
Qy	1906	ACACTGCTGAGGCTTCAATAATCATGGCTCTTTAGAAACTCAGGAAAGAGGAGATAATGTGG	1965
Db	1988	-----GCCGAGACTTGTATATCA--GGCCCTTAGAAACTCAGGAAAGAGAGTTGTCTATGG	2041
Qy	1966	ATTTAAACCTTTAAGAGTCTTAACCATGCCCTACTAAATGTACAGATATGCAAAATTCATAG	2025
Db	2042	ATTTAAACATTTGGAGTTCCAAATATGCAATTCAGT-----GGATAGGTAAAGCTTACACAG	2093
Qy	2026	CTCAATTAAGAATCTGATCTTAGACCAAAAGCAACATTCGTTCTCTTAACCATTTCTGTA	2085
Db	2094	CTCAATTAAGAAGAACTGGCGCTTACACAAAGCACTGTTCCCTCTTTAATCACTCTGCA	2153
Qy	2086	TTGATTATATAAGCAAAATGAAAAGAGAAACTTAAATGAAACACAGCTCTTTTAAACATGGTT	2145
Db	2154	TTGACCATGCAAGGANAAC-----AGAAAGCTTTTAAACACAGAT	2194
Qy	2146	CAGGTACACATATTTTGACCCAAAGTGATATTTTCTTAAACCATCAATTAATAGCTAGC	2205
Db	2195	CAAGTATACATATTTTGACCCCATGTGGATGTTTTCTTAAACCAGCCAGCAACAGACAGC	2254
Qy	2206	TATTACTGCAGACTATA--AAATCTGGATATAGAAGGAGACTGTATCAAACTGCTTT	2262
Db	2255	TGTTATTATGTGCACTAGCCATTAACATTAATATATGGAATCATATATCAAGCTTCTTT	2314
Qy	2263	TGTAGTGTGTTTTTCATAAACACTTTAGCTTAAAAATATCACTGTAATAGAGAGCAGGA	2322
Db	2315	TGTAGTGTGTTTCAT---AACTTGATGGCTGAAATACCACACTGAGTA--AAGTAGGA	2369
Qy	2323	TTGCCAGGTAATTTTTCTATTCTCTCTTAATTTTTATATGATATATGATATATTT	2377
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RESULT 5

CR614743
LOCUS
DEFINITION
CR614743
1376 bp mRNA linear HTC 21-JUL-2004
full-length cDNA clone CS0DL003YL09 of B cells (Ramos cell line)
Cot 25-normalized of Homo sapiens (human).
CR614743
ACCESSION
CR614743.1 GI:50495550
VERSION
HTC; CNSLT_cDNA.
KEYWORDS
Homo sapiens (human)
SOURCE
Homo sapiens
ORGANISM
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1376)
Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
<http://fulllength.invitrogen.com/> Invitrogen Corporation 1600
Paradise Avenue

REFERENCE	2 (bases 1 to 1376)	
AUTHORS	Genoscope.	
TITLE	Direct Submission	
JOURNAL	Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage : BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr - Web : www.genoscope.cns.fr)	
COMMENT	1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen.	
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Matches 1376; Conservative	0; Mismatches 0; Indels 0; Gaps 0;	
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Qy	882 GTTGGGCTTCTGATGATCATCGAGAGCAGGCAATGTGGCCAGAGAGTTGGTGTCAAT	941
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Db	361 ACATTTGTGACAGGCTGCTGTGGAAATATGCTTCTTCTTACCACATGCCCAAC	420
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Qy	1302 CGCAGGAGTTTCAATTTCTACTGATATACCAAGAGATGCTAGCTGTCTATCAGA	1361
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DEFINITION	cDNA clone CS0DC020YE19 3-PRIME, mRNA sequence.	
ACCESSION	EX375926	
VERSION	EX375926.2 GI:46569597	
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ORGANISM	Homo sapiens	
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	
REFERENCE	1 (bases 1 to 1128)	
AUTHORS	Li, W.B., Gruber, C., Jessee, J. and Polayes, D.	
TITLE	Full-length cDNA libraries and normalization	
JOURNAL	Unpublished (2001)	
COMMENT	On May 8, 2003 this sequence version replaced gi:3042644. Contact: Genoscope Genoscope - Centre National de Sequencage 2 rue Gaston Creteil, CP 5706 - 91057 EVRY cedex - FRANCE Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 7444.f	
	For more information about this cluster, see	


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1042 CACATTTTGTGACARGCTGTGTGCGAATAATKGC-TCTTCTCTTACCACATGCCCAACT 984
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BX375927
LOCUS
DEFINITION
BX375927 Homo sapiens NEUROBLASTOMA COT 25-NORMALIZED Homo sapiens
CDNA clone CS0DC020YE19 5-PRIME, mRNA sequence.
ACCESSION
BX375927
VERSION
BX375927.2 GI:46571415
KEYWORDS
EST.
SOURCE
Homo sapiens (human)
ORGANISM
Homo sapiens
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE
1 (bases 1 to 1050)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
COMMENT
On May 8, 2003 this sequence version replaced gi:30446480.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?s=CS0DC020AC10QPl&c=7444.f.
Location/Qualifiers
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digested with Not I and EcoR V sites of the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
FEATURES
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Best Local Similarity 94.9%; Pred. No. 2.3e-233;
Matches 1004; Conservative 11; Mismatches 34; Indels 9; Gaps 4;
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Db 1 TCTCGAGCAGGTGTGACGAGCCTATCAGTCACCATGTCGCGAGCTGGATCCGGCTCTC 60
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Db 1012 YCTTACACATGCCCAACGTTTGGCACCMAAATAGTA 1049

RESULT 9
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LOCUS
DEFINITION
BX342574 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
Homo sapiens cDNA clone CS0DL003YL09 3-PRIME, mRNA sequence.
ACCESSION
VERSION
KEYWORDS
SOURCE
EST.
Homo sapiens (human)
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 963)
Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 2, 2003 this sequence version replaced gi:30342099.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f
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For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?8=CS0DL003CP05NP1&c=7444.f.
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25-NORMALIZED"
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primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
ORIGIN
Query Match 36.9%; Score 935.2; DB 5; Length 963;
Best Local Similarity 97.0%; Pred. No. 8.1e-232;
Matches 932; Conservative 17; Mismatches 12; Indels 0; Gaps 0;
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 Db 1 A 1

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 ACCESSION BX439039
 VERSION BX439039.2 GI:47008894
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 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 992)
 Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On May 15, 2003 this sequence version replaced gi:30781725.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
 was not normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.
 This sequence belongs to sequence cluster 7444.f
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?s=CS0DE005DA070P1&c=7444.f.
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 double-strand cDNA was digested with Not I and cloned into
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 Library was not normalized."

ORIGIN

Query Match 35.9%; Score 908.6; DB 5; Length 992;
 Best Local Similarity 94.2%; Pred. No. 6.9e-225;
 Matches 928; Conservative 30; Mismatches 25; Indels 2; Gaps 2;
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 Db 1 TCTCGACAGGTGTGACGACCTATCAGTCACCATGTCGCGACGCTGGATCCCGGCTCTC 60
 QY 84 GGCCTCGGTGTGTCTGTCTGCTGCTGCTCCCGGGCCCGCGGCGACGAGGAGCGGTCCC 143
 Db 61 GGCCTCGGTGTGTCTGTCTGCTGCTGCTCCCGGGCCCGCGGCGACGAGGAGCGGTCCC 120

QY 144 ATTGCTATCACATGTTTACAGAGGCTTGGACATCAGGAAAGAGAGACAGATGCTCTC 203
 Db 121 ATTGCTATCACATGTTTACAGAGGCTTGGACATCAGGAAAGAGAGACAGATGCTCTC 180
 QY 204 TCCCCAGGGGGCTGCCCTCTTTCAGGAAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 263
 Db 181 TCCCCAGGGGGCTGCCCTCTTTCAGGAAATTCCTGTGTATGGGAAACATAGTATATGCTTCT 240
 QY 264 GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGAGACT 323
 Db 241 GTATCGAGCATATGTGGGCTGCTGTCCACAGGGGAGTWAATCAGCAACTCAGGGGAGACT 300
 QY 324 GTACGAGTCTATAGCTTACCTGGTTCGAGAAACTATTCTTCAGTAGATGCCAATGGCATC 383
 Db 301 GTACGAGTCTATAGCTTACCTGGTTCGAGAAACTATTCTTCAGTAGATGCCAATGGCATC 360
 QY 384 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCTAAAGGCCAAAAGTAGT 443
 Db 361 CAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCACAGTAATCTAAAGGCCAAAAGTAGT 420
 QY 444 ACACAGGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCACAGGTAAACGACTA 503
 Db 421 ACACAGGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCACAGGTAAACGACTA 480
 QY 504 AAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG 563
 Db 481 AAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTCGATTTCTG 540
 QY 564 ATTGATGGAAGCTTTAAATATTGGGAGGCGCCGATTTAAATTTACAGAAGAAATTTGTTGA 623
 Db 541 ATTGATGGAAGCTTTAAATATTGGGAGGCG-CAATTTAATTACAGAGAAATTTGTTGA 599
 QY 624 AAGTGGCTCTAATCTTGGGAATTGGAACAGAGACCAATGTGGGCTTGTTCGAAGCC 683
 Db 600 AAGTGGCTCTAATCTTGGGAATTGGAACAGAGACCAATGTGGGCTTGTTCGAAGCC 659
 QY 684 AGTGAACATCCCAAAATAGAAATTTACTTTGAAATTTTACATCAGCCCAAGATGTTTGG 743
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 Db 720 TTTGGCATAAAGGAGTAGTGTTCAGAGGGGGTAAATCCAAATACAGGAAAAGCCTTGAAR 779
 QY 804 CATATGCTCAGAAATTTCTACGGTAGATGTGGAGTAAGAAAAGGAGATCCCAAGAGTG 863
 Db 780 CATATGCTCAGAAATTTCTACGGTAGATGTGGAGTWAGAAAAGGATCCCAAGAGTG 839
 QY 864 GTGGTGTATTTTATGATGGTGGCTTCTGTATGACATCG-AGGAAGCAGGCAATTTGGCG 922
 Db 840 GTGGTGTATTTTATGATGGTGGCTTCTGTATGACATCGAAGGAGGAGGCAATTTGGCG 899
 QY 923 CAGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCCTATCCCTCGAAGACT 982
 Db 900 CARAGATTTGGGTGTAAGTAAATTTTWAAGTTCTGTGCCCAAGCCAWCCCGAAGAAAT 959
 QY 983 GGGGATGTTTCAGGATGTACATTT 1007
 Db 960 GGGGGGGGTTCRGRTGYMMAWTTT 984

RESULT 11
 LOCUS BX342575
 DEFINITION BX342575 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED
 Homo sapiens cDNA clone CS0DL003YL09 5-PRIME, mRNA sequence.
 ACCESSION BX342575
 VERSION BX342575.2 GI:46280472
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 914)
Li, W.B., Gruber, C., Jesses, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 2, 2003 this sequence version replaced gi:30344078.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
7444.f

For more information about this cluster, see
<http://www.genoscope.cns.fr/cdna?sc=CS0DL003CF05QP1&c=7444.f>.

FEATURES

Location/Qualifiers
1..914
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DL003YL09"
/cell_type="B CELLS (RAMOS CELL LINE)"
/cell_line="RAMOS CELL LINE"
/clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT
25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 35.6%; Score 901.4; DB 5; Length 914;
Best Local Similarity 99.8%; Pred. No. 5e-223;
Matches 913; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY 642 GGAATTGGAACAGAGGACACATGTGGGCTTGTTCACGCCAGTGAACATCCCAAATA 701
DB 1 GGAATTGGAACAGAGGACACATGTGGGCTTGTTCACGCCAGTGAACATCCCAAATA 60
QY 702 GAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTA 761
DB 61 GAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTTGTTGCCATAAAGGAAGTA 120
QY 762 GGTTCAGAGGGGTAAATTCATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATTC 821
DB 121 GGTTCAGAGGGGTAAATTCATACAGGAAAGCCTTGAAGCATACTGCTCAGAAATTC 180
QY 822 TTCACGGTAGATCTGGAGTAAGAAAGGATCCCAAGTGGTGGTATTATTATGAT 881
DB 181 TTCACGGTAGATCTGGAGTAAGAAAGGATCCCAAGTGGTGGTATTATTATGAT 240
QY 882 GGTTCGCTTCTGATGACATCGAGGAGCAGGCAATGTGGCCAGAGAGTTTGGTGCAAT 941
DB 241 GGTTCGCTTCTGATGACATCGAGGAGCAGGCAATGTGGCCAGAGAGTTTGGTGCAAT 300
QY 942 GTATTATAGTTTCTGFGGCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGC 1001
DB 301 GTATTATAGTTTCTGFGGCAAGCCTATCCCTGAAGAACTGGGGATGGTTCAGGATGC 360
QY 1002 ACATTTGTCAGAGGCTGCTCGGAATAATGGCTTCTTCTTACCATGCCCAAC 1061
DB 361 ACATTTGTCAGAGGCTGCTCGGAATAATGGCTTCTTCTTACCATGCCCAAC 420
QY 1062 TGGTTTGGCACCACAAATACGTAAGCCTCTGTGTACAGAGCTGTGCACTCATGAACAA 1121
DB 421 TGGTTTGGCACCACAAATACGTAAGCCTCTGTGTACAGAGCTGTGCACTCATGAACAA 480
QY 1122 ATGATGTGACAGACCTGTTAATCTAGTGAACATTCGCTTTCTTAATTGATGCTCC 1181
DB 481 ATGATGTGACAGACCTGTTAATCTAGTGAACATTCGCTTTCTTAATTGATGCTCC 540

QY 1182 AGCAGTGTGGAGATAGCAATTTCCGCCTCATCTTGAATTTGTTTCCAAATAGCCAAG 1241
DB 541 AGCAGTGTGGAGATAGCAATTTCCGCCTCATCTTGAATTTGTTTCCAAATAGCCAAG 600
QY 1242 ACTTTTGAATCTCGGACATTTGGTGGCAAGATAGCTGCTGTACAGTTTACTTATGATCAG 1301
DB 601 ACTTTTGAATCTCGGACATTTGGTGGCAAGATAGCTGCTGTACAGTTTACTTATGATCAG 660
QY 1302 CGCACCGAGTTCAGTTTCTACTGACTATAGCACCACAAAGAGAAATGCTAGCTGTCATCAGA 1361
DB 661 CGCACCGAGTTCAGTTTCTACTGACTATAGCACCACAAAGAGAAATGCTAGCTGTCATCAGA 720
QY 1362 AACATCCGCTATATAGTGTGGAAACAGCTACTGTGTGATGCCATTTCCCTTCACTGTTAGA 1421
DB 721 AACATCCGCTATATAGTGTGGAAACAGCTACTGTGTGATGCCATTTCCCTTCACTGTTAGA 780
QY 1422 AATGTTTGGCCCTATATAGGAGAGAGCCCAACAGAACTTCTAGTAATTTGTCACAGAT 1481
DB 781 AATGTTTGGCCCTATATAGGAGAGAGCCCAACAGAACTTCTAGTAATTTGTCACAGAT 840
QY 1482 GGGCAGTCTATGATGATGTCCAAAGCCCTGCGAGCTGTCACATGATGACGAGATCACT 1541
DB 841 GGGCAGTCTATGATGATGTCC-AGGCCCTGCGAGCTGTCACATGATGACGAGATCACT 899
QY 1542 ATCTTCTCTGTTGGT 1556
DB 900 ATCTTCTCTGTTGGT 914

RESULT 12

LOCUS
BU165034
DEFINITION
AGENCOURT_7859456 NIH_MGC_67 Homo sapiens cDNA clone IMAGE:6140993
5', mRNA sequence.
BU165034
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
COMMENT

EST.
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
NIH-MGC <http://img.ncbi.nlm.nih.gov/>
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: ATCC
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
Plate: LLAM13460 row: h column: 18
High quality sequence stop: 710.

FEATURES

source
1..945
Location/Qualifiers
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:6140993"
/tissue_type="retinoblastoma"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 67"
/note="Organ: eye; Vector: pCMV-SPORT6; Site 1: NotI;
Site 2: SalI; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.75 kb. Library constructed by Life
Technologies."

ORIGIN

Query Match 34.3%; Score 868; DB 5; Length 945;

[illegible]

RESULT 13	EST 23-APR-2004
BX347412	
LOCUS	894 bp mRNA linear
DEFINITION	BX347412 Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED Homo sapiens cDNA clone CS0DL002YH04 5'-PRIME, mRNA sequence.

BX347412
 VERSION
 EST. BX347412.2 GI:46549838
 KEYWORDS
 SOURCE
 ORGANISM
 Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 894)
 Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On May 5, 2003 this sequence version replaced gi:30379190.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoK v sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 7444.f
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?s=CS0BAA019ZD10_CS01805_1&c=7444.f

.
 Location/Qualifiers
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 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DJ002YH04"
 /cell_type="B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
 /cell_line="RAMOS CELL LINE"
 /clone_lib="Homo sapiens B CELLS (RAMOS CELL LINE) COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoK v sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN
 Query Match 33.8%; Score 857.4; DB 5; Length 894;
 Best Local Similarity 99.3%; Pred. No. 1.4e-211;
 Matches 891; Conservative 0; Mismatches 3; Indels 3; Gaps 3;
 490 CAGGTAACGACTAAAGAAACACCCGAGAGAAACCTGCCAATAAGATTGTAAAGCAG 549
 1 CAGGTAACGACTAAAG-AAACACCCGANAAGAAACCTGGCAATAAGATTGTAAAGCAG 59
 550 ACATTGCATTTCTGATTGATGGAAGCTTTTAATATTGGGCGAGCCGATTTAATTACAGA 609
 60 ACATTGCATTTCTGATTGATGGAAGCTTTTAATATTGGGCGAGCCGATTTAATTACAGA 119
 610 AGAATTTTGTGGAAAGTGCTCTAATGTTGGGAATTTGGAACAGAGAGACCACATGTGG 669
 120 AGAATTTTGTGGAAAGTGCTCTAATGTTGGGAATTTGGAACAGAGAGACCACATGTGG 179
 670 GCCTTGTTCAGCCAGTGAACATCCCCAAAATAGAAATTTACTTGAAAAAATTTCATCAG 729
 180 GCCTTGTTCAGCCAGTGAACATCCCCAAAATAGAAATTTACTTGAAAAAATTTCATCAG 239
 730 CCAAAGATGTTTGTGTTGCCATAAGGAAGTAGGTTTCAGAGGGGGTAAATCCCAATCAG 789
 240 CCAAAGATGTTTGTGTTGCCATAAGGAAGTAGGTTTCAGAGGGGGTAAATCCCAATCAG 299
 790 GAAAGGCTTTGAAGCATCTGCTCAGAAATCTTCACGGTAGAGTCTGGAGTAAGAAAAAG 849
 300 GAAAGGCTTTGAAGCATCTGCTCAGAAATCTTCACGGTAGAGTCTGGAGTAAGAAAAAG 359
 850 GGATCCCAAAGTGGTGGGTATTTATGATGGTTGGCCCTTCGTATGACATCAGAGAAG 909
 360 GGATCCCAAAGTGGTGGGTATTTATGATGGTTGGCCCTTCGTATGACATCAGAGAAG 419

QY 910 CAGCATTTGGCCAGAGAGTTGGTGTCAATGATATTTATAGTTTCTGTGGCCAAAGCCTA 969
Db CAGGCATTTGGCCAGAGAGTTGGTGTCAATGATATTTATAGTTTCTGTGGCCAAAGCCTA 479
QY 970 TCCTGGAAGAACTGGGGATGGTTCAGATCTCAATTTGTTGACAGGCTGTCTGTGGGA 1029
Db TCCTGGAAGAACTGGGGATGGTTCAGATCTCAATTTGTTGACAGGCTGTCTGTGGGA 539
QY 1030 ATAATGCTTCTTCTTACCAATGCCCACTGGTTTGGCCACACAAAATAGTAAAGC 1089
Db ATAATGCTTCTTCTTACCAATGCCCACTGGTTTGGCCACACAAAATAGTAAAGC 599
QY 1090 CTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATAACT 1149
Db CTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTATAACT 659
QY 1150 CAGTGACATGCTTCTTCAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCC 1209
Db CAGTGACATGCTTCTTCAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCC 719
QY 1210 TCATGCTTGAATTTGTTTCCAAATAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGCCA 1269
Db TCATGCTTGAATTTGTTTCCAAATAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGCCA 779
QY 1270 AGATAGCTGTCTGACAGTTTCTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATA 1329
Db AGATAGCTGTCTGACAGTTTCTTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATA 839
QY 1330 GCACCAAGAGATGCTTACGCTGTCTATCAGAACATCCGCTATATAGTGGTGGAA 1386
Db GCACCAAGAG-ATGTCNCTAGCTGTCTATCAG-AACATCCGCTATATAGTGGTGGAA 894

RESULT 14
BX445470/c
LOCUS
DEFINITION BX445470 Homo sapiens NEUROBLASTOMA Homo sapiens cdna clone
ACCESSION CS0DA001YB12 3-PRIME, mRNA sequence.
VERSION BX445470
KEYWORDS BX445470.2 GI:47021149
SOURCE EST.
ORGANISM Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
AUTHORS 1 (bases 1 to 959)
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT On May 15, 2003 this sequence version replaced gi:30788340.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library
was not normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
This sequence belongs to sequence cluster 7444.f
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?8=CS1DA001ZB09NP1&c=7444.f.
Location/Qualifiers
1..959
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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/tissue_type="NEUROBLASTOMA"
/clone_lib="Homo sapiens NEUROBLASTOMA"
/notes="Vector: pCMVSPORT_6; 1st strand cDNA was primed
with a NotI-oligo(dT) primer. Five prime end enriched,
double-strand cDNA was digested with Not I and cloned into

the Not I and EcoRV sites of the pCMVSPORT 6 vector.
Library was not normalized."

ORIGIN
Query Match 33.1%; Score 837.8; DB 5; Length 959;
Best Local Similarity 90.0%; Pred. No. 1.9e-206;
Matches 858; Conservative 36; Mismatches 57; Indels 2; Gaps 1;
QY 1066 TTGGCACCACAAATAACGTAAAGCCTCTGTGACAGAGCTGTGCTCATGAAACAATGA 1125
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QY 1126 TGTGACAGAACCTCTTATAACTCAGTGAACATTCGCCCTTTCTAAATGATGGCTCAGCA 1185
Db TGGGCGGCAAGCCCTGTATTAACCTCRGTGAACATTCGCCCTTTCTAAATGATGGCCACGA 834
QY 1186 GTGTTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCACATAGCCCAAGCTT 1245
Db GTGTGAGNATAGCAATTTCCGCCCTCATGCTTGAATTTGTTTCCACATAGCCCAAGCTT 774
QY 1246 TTGAAATCTCGGACATTTGGTGCCAGATAGCTGTGACAGATTTTCTATGATCAGGCCA 1305
Db TTGAAATCTCGGACATTTGGTGCCAGATAGCTGTGACAGATTTTCTATGATCAGGCCA 714
QY 1306 CGGAGTTTCAGTTTCACTGACTATAGCAACAAAGAGAAATGTCTGAGTGTGCATCAGAAACA 1365
Db CGGAGTTTCAGTTTCACTGACTATAGCAACAAAGAGAAATGTCTGAGTGTGCATCAGAAACA 654
QY 1366 TCCGCTATATGATGTGGTGAACAGCTACTGTGTGATGCCATTTCTTCACTGTTAGAAATG 1425
Db TCCGCTATATGATGTGGTGAACAGCTACTGTGTGATGCCATTTCTTCACTGTTAGAAATG 594
QY 1426 TGTTTGGCCCTATAAGGGAGAGCCCAACAAGAACTTCTCTAGTAAATTTGTACAGATGGGC 1485
Db TGTGTGGCCCTATAGGGAGAGCCCAACAAGAACTTCTCTAGTAAATTTGTACAGATGGGC 534
QY 1486 AGTCTTATCATGATGTCCAAAGGCCCTGTGAGCTGTGCATGATGAGGAATCAGTATCT 1545
Db AGTCTTATCATGATGTCCAAAGGCCCTGTGAGCTGTGCATGATGAGGAATCAGTATCT 474
QY 1546 TCTCTGTTGGTGGCTTGGGCACCTCTCGATGACCTGAAAGATATGGCTTCTTAAACCGA 1605
Db TTTCTGTTGGTGGCTTGGGCACCTCTCGATGACCTGAAAGATATGGCTTCTTAAACCGA 414
QY 1606 AGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGATTTAGAACCAATTTGTTCTGTATG 1665
Db RGGAKTTTCATGCTTTCTTCAAGAGAGTTCACAGGATTTAGAACCAATTTGTTCTGTATG 354
QY 1666 TCATCAGAGGCATTTGTAGAGATTTTCTTGAATCCAGCAATTAATGGTAAACATTTTGACA 1725
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QY 1726 ACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAATTTGTTATTTCTCATATAACTGAAT 1785
Db ACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAATTTGTTATTTCTCATATAACTGAAT 234
QY 1786 GCTTTAGCATCTAGAAATCAGATACAAAACTATTAAGTATGTCAACAGCCATTTAGGCCAA 1845
Db GCTTTGGCATCTAGAAATCAGATACAAAACTATTAAGTATGTCAACAGCCATTTAGGCCAA 174
QY 1846 ATAAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAAATTTACAGTGTACTTTGTTAAAA 1905
Db ANAAGNACTCTTTTAAAGCCGCTGCTTCTGGTTACAAATTTTACAGTGTACTTTGTTAAAA 114
QY 1906 ACATGCTGAGGCTTCATTAATCATGCTCTTAGAACTCAGGAAAGAGGAGATAATGTGG 1965
Db AAATGCTGAGGCTTCATTAATCATGCTCTTAGAACTCAGGAAAGAGGAGATAATGTGG 54
QY 1966 ATTAAAAACCTTAAGAGTTCTTAACCATGCTTCTTAATGTACAGATATGCAAT 2018
Db ATTAAAAACCTTAAGAGTTCTTAACCATGCTTCTTAATGTACAGATATGCAAT 1

Db	241	ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG	300	QY	1381	GTGGAAACAGCTTACTGTGGATGCCATTTCTTTCACCTGTAGAAATGTGTGGCCCTATAA	1440
QY	301	TAATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGCGAGAAAACTATT	360	Db	1381	GTGGAAACAGCTTACTGTGGATGCCATTTCTTTCACCTGTAGAAATGTGTGGCCCTATAA	1440
Db	301	TAATCAGCACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGCGAGAAAACTATT	360	QY	1441	GGGAGAGCCCCAACAGNAACCTTCCTAGTAAATTTGTACAGATGGGAGTCCCTATCATGATG	1500
QY	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCA	420	Db	1441	GGGAGAGCCCCAACAGNAACCTTCCTAGTAAATTTGTACAGATGGGAGTCCCTATCATGATG	1500
Db	361	CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTCTAGATGGTCTGCTTCTTTCA	420	QY	1501	TCCAGGCGCTGCAGCTGCTGCACATGATGCAGGAATCACTATCTTCTGTGTGGTGG	1560
QY	421	CAGTAACTAAGGCAAAAGTAGTATACAGAGAGGCCACAGAACAGCAGTGTCCACAGCAC	480	Db	1501	TCCAGGCGCTGCAGCTGCTGCACATGATGCAGGAATCACTATCTTCTGTGTGGTGG	1560
Db	421	CAGTAACTAAGGCAAAAGTAGTATACAGAGAGGCCACAGAACAGCAGTGTCCACAGCAC	480	QY	1561	CTTGGGCACTCTGTGATGACCTGGAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTT	1620
QY	481	ATCCACCAACAGGTAAACAGCTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	540	Db	1561	CTTGGGCACTCTGTGATGACCTGGAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTT	1620
Db	481	ATCCACCAACAGGTAAACAGCTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	540	QY	1621	TCCTCACAAGAGAGTTTACAGGATTTAGAAACCAATTTCTGTATCTCATCAGAGGCAATTT	1680
QY	541	GTAAGCAGACATTTGCAATTTCTGATGATGGAAGCTTTTAATATTTGGGCGCGCGATTTA	600	Db	1621	TCCTCACAAGAGAGTTTACAGGATTTAGAAACCAATTTCTGTATCTCATCAGAGGCAATTT	1680
Db	541	GTAAGCAGACATTTGCAATTTCTGATGATGGAAGCTTTTAATATTTGGGCGCGCGATTTA	600	QY	1681	GTAGAGATTTCTTAGAATCCAGCAATATGGTAAACATTTTGAACAACTGGAAGAAAAAGT	1740
QY	601	ATTTACAGAGAAATTTTGGAAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC	660	Db	1681	GTAGAGATTTCTTAGAATCCAGCAATATGGTAAACATTTTGAACAACTGGAAGAAAAAGT	1740
Db	601	ATTTACAGAGAAATTTTGGAAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC	660	QY	1741	ACAAGGGATCCAGTGTGTAAATTTGTATTTCTCATATACTGAAATGCTTTAGCATACATAG	1800
QY	661	CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTCTTGAAAAACT	720	Db	1741	ACAAGGGATCCAGTGTGTAAATTTGTATTTCTCATATACTGAAATGCTTTAGCATACATAG	1800
Db	661	CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTCTTGAAAAACT	720	QY	1801	AATCAGATACAAAACCTATTAGATGTCTCAACAGCAATTTAGGCAAACTGCACTCTTTTA	1860
QY	721	TTACATCAGCAAAAGATTTTGTGTCCTAATAAGGAAGTAGGTTTCAGAGGGGGTAATTT	780	Db	1801	AATCAGATACAAAACCTATTAGATGTCTCAACAGCAATTTAGGCAAACTGCACTCTTTTA	1860
Db	721	TTACATCAGCAAAAGATTTTGTGTCCTAATAAGGAAGTAGGTTTCAGAGGGGGTAATTT	780	QY	1861	AAGCGCTGCTTCTGGTTTACAAATTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTT	1920
QY	781	CCAATACAGGAAGACCTTGAAGCATCTCTCAGAAATCTTTCACGCTAGATGCTGGAG	840	Db	1861	AAGCGCTGCTTCTGGTTTACAAATTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTT	1920
Db	781	CCAATACAGGAAGACCTTGAAGCATCTCTCAGAAATCTTTCACGCTAGATGCTGGAG	840	QY	1921	CATATCATGCTCTTAGAACTCAGGAAGAGGAGATAATGTGGATTAAAAACCTTAAGA	1980
QY	841	TAAGAAAAGGATCCCAAGTGGTGGTGTATTTATTTGATGGTGGCTTCTGATGACA	900	Db	1921	CATATCATGCTCTTAGAACTCAGGAAGAGGAGATAATGTGGATTAAAAACCTTAAGA	1980
Db	841	TAAGAAAAGGATCCCAAGTGGTGGTGTATTTATTTGATGGTGGCTTCTGATGACA	900	QY	1981	GTCTAAACCATCTACTAAATGTACAGATATGCAATATGCAATAGCTCAATAAAGAAATC	2040
QY	901	TCGAGGAAGAGGATTTGTGCGCAGAGATTTGTGTCTCAATGATTTATAGTTTCTGTGG	960	Db	1981	GTCTAAACCATCTACTAAATGTACAGATATGCAATATGCAATAGCTCAATAAAGAAATC	2040
Db	901	TCGAGGAAGAGGATTTGTGCGCAGAGATTTGTGTCTCAATGATTTATAGTTTCTGTGG	960	QY	2041	TGATACCTTAGACAAAAGCAACATTCGTTCTCTAAACCAATCAATAAGTATTAAGCA	2100
QY	961	CCAGCCTATCCCTGAGAACTGGGGATGGTTTCAAGATGTACATTTTGTGACAAAGCTG	1020	Db	2041	TGATACCTTAGACAAAAGCAACATTCGTTCTCTAAACCAATCAATAAGTATTAAGCA	2100
Db	961	CCAGCCTATCCCTGAGAACTGGGGATGGTTTCAAGATGTACATTTTGTGACAAAGCTG	1020	QY	2101	AAATGAAAAGAGAAACCTTAAATGAAACACAGCTCTTTTAAACATGCTTCAAGTATTTT	2160
QY	1021	TCTGTGGAATAATGGCTTCTCTTACCAATGCCCCAATGTTGGGCAACCAAAAT	1080	Db	2101	AAATGAAAAGAGAAACCTTAAATGAAACACAGCTCTTTTAAACATGCTTCAAGTATTTT	2160
Db	1021	TCTGTGGAATAATGGCTTCTCTTACCAATGCCCCAATGTTGGGCAACCAAAAT	1080	QY	2161	TGACCCAGTGGATATTTTCTTAAACCAATCAATAAGTATTAAGTATTAAGCACTA	2220
QY	1081	AGTTAAGCCTCTGTGACAGAGCTGTGCTCATGACCAATCATGTGAGCAAGACCT	1140	Db	2161	TGACCCAGTGGATATTTTCTTAAACCAATCAATAAGTATTAAGTATTAAGCACTA	2220
Db	1081	AGTTAAGCCTCTGTGACAGAGCTGTGCTCATGACCAATCATGTGAGCAAGACCT	1140	QY	2221	TAAATCTGGATATAGAAAGGAGCTGTATCAAACTGCTTTGTAGTGTGTTTTCATAA	2280
QY	1141	GTATATACTCAGTGAACATTTGCTTCTTAAATGATGGCTCCAGCAGTGTGGAGATAGCA	1200	Db	2221	TAAATCTGGATATAGAAAGGAGCTGTATCAAACTGCTTTGTAGTGTGTTTTCATAA	2280
Db	1141	GTATATACTCAGTGAACATTTGCTTCTTAAATGATGGCTCCAGCAGTGTGGAGATAGCA	1200	QY	2281	CAACTTATGACTAAAAATATCACTGAAATAAGAGAGCAGGATGCCAGGTATTTTCTA	2340
QY	1201	ATTTCCGCTCATGCTTGAAATTTGTTTCCACATAGCCCAAGCTTTTGAATCTCGGACA	1260	Db	2281	CAACTTATGACTAAAAATATCACTGAAATAAGAGAGCAGGATGCCAGGTATTTTCTA	2340
Db	1201	ATTTCCGCTCATGCTTGAAATTTGTTTCCACATAGCCCAAGCTTTTGAATCTCGGACA	1260	QY	2341	TTTCTCTCCTTAATTTTATATATATATATATATATTTTGGCTTATTTCTAAGTCACTAA	2400
QY	1261	TTGGTGCCAAAGTAGCTGTACAGTTTACTTATGATCAGGCAAGAGTTCAGTTTCA	1320	Db	2341	TTTCTCTCCTTAATTTTATATATATATATATATTTTGGCTTATTTCTAAGTCACTAA	2400
Db	1261	TTGGTGCCAAAGTAGCTGTACAGTTTACTTATGATCAGGCAAGAGTTCAGTTTCA	1320	QY	2401	GTACTTAAAGTTAAGTGTGTAAGTATTTTACTGACTGCTTATATAAATTTTAAAGACAAA	2460
QY	1321	CTGACTATAGCAACCAAGAGATGTCTTGTGCTCATCAGAAACATCCGCTATATGAGTG	1380	Db	2401	GTACTTAAAGTTAAGTGTGTAAGTATTTTACTGACTGCTTATATAAATTTTAAAGACAAA	2460
Db	1321	CTGACTATAGCAACCAAGAGATGTCTTGTGCTCATCAGAAACATCCGCTATATGAGTG	1380				

Qy 2461 GACATTTCAATAAATCTGCAGAAAAAATATTGTAGTGTGAATATTTAAGCAATAAACTGC 2520
Db |||||||
Qy 2461 GACATTTCAATAAATCTGCAGAAAAAATATTGTAGTGTGAATATTTAAGCAATAAACTGC 2520
Db |||||||
Qy 2521 TAGTGAGTTATTGT 2534
Db |||||||
Qy 2521 TAGTGAGTTATTGT 2534
Db |||||||
RESULT 2
US-09-949-016-581
; Sequence 581, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0601307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 581
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-581

Query Match 100.0%; Score 2534; DB 4; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCATCTGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60
Db 1 GCATCTGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60
Qy 61 CCGCAGCCTGGATCCCGGCTCTGGCTCGGTGTGTCTGTCTGCTGCTCGCGGGCCG 120
Db 61 CCGCAGCCTGGATCCCGGCTCTGGCTCGGTGTGTCTGTCTGCTGCTCGCGGGCCG 120
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Qy 241 ATGGGAACATAGTATATGCTCTGTATCGAGCATATGTGGGGCTGTCTCCAGAGGGAG 300
Db 241 ATGGGAACATAGTATATGCTCTGTATCGAGCATATGTGGGGCTGTCTCCAGAGGGAG 300
Qy 301 TAATCAGCAACTCAGGGGGAGCTGTATCGAGCTATAGCCTACCTGTGTCGAGAAAACTATT 360
Db 301 TAATCAGCAACTCAGGGGGAGCTGTATCGAGCTATAGCCTACCTGTGTCGAGAAAACTATT 360
Qy 361 CCTCAGTAGATGCCAATGGGCATCCAGTCTCAATGCTTTCTAGATGCTGCTCTTTTCA 420
Db 361 CCTCAGTAGATGCCAATGGGCATCCAGTCTCAATGCTTTCTAGATGCTGCTCTTTTCA 420
Qy 421 CAGTAACTAAAGGCAAAAGTAGTACACAGAGGGCCACAGGACAGCAGTGTCCACAGCAC 480
Db 421 CAGTAACTAAAGGCAAAAGTAGTACACAGAGGGCCACAGGACAGCAGTGTCCACAGCAC 480
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Db 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAAAGAACTGGCAATAAAGATT 540

Qy 541 GTAAAGCAGACATTTGCAATTTCTGATTTGATGGAAGCTTTAATATTTGGCAGCGCCGATTTA 600
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Qy 541 GTAAAGCAGACATTTGCAATTTCTGATTTGATGGAAGCTTTAATATTTGGCAGCGCCGATTTA 600
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Db |||||||
Qy 721 TTACATCAGCCAAAGATGTTTGTGTTGCCATAAAGGAAGTAGGTGTTTTCAGAGGGGGTAAT 780
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Qy 781 CCAATACAGAAAAGCCTTGAAGCATCTGCTCAGAAATTTCTCAGGGTAGATGCTGGAG 840
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Qy 1081 ACCTAAAGCTCTGTTGTAAGAGCTGTGCACTCATGAAACAAATGATGTGTCAGCAAGACCT 1140
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Qy 1261 TTGGTGCCCAAGATAGCTGTGTACAGTTTACTTATGATCAGCGCAGGAGTTTCAAGTTTCA 1320
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Qy 1501 TCCAGGGCCCTGCGAGCTGCTGCATGATGAGGAATCTATCTTCTCTGTTGGTGTGG 1560
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Qy 1561 CTTTGGCAGCTCTGAGTACCTGGAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT 1620
Db |||||||

1621 TCTTCAAGAGAGTTTACAGGATTAGAACCAATGTTCTGATGTCATCAGAGGCAATT 1680
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1681 GTAGAGATTTCTTAGATCCAGCAATATGTTAAACATTTTGACCACTGCAAGAAAGT 1740
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1741 ACAAGGGATCCAGTGTGTAATGTTATCTCATATGTAATGTTAGCACTAGTAG 1800
1741 ACAAGGGATCCAGTGTGTAATGTTATCTCATATGTAATGTTAGCACTAGTAG 1800
1801 AATCAGATACAAAATTAAGTATGTTCAACAGCCATTTAGGCAATAGCACTCTTTA 1860
1801 AATCAGATACAAAATTAAGTATGTTCAACAGCCATTTAGGCAATAGCACTCTTTA 1860
1861 AAGCGCTGCTTCTGTTTCAATTTTACAGTGTACTTTGTTTAAACACCTGCTGAGGCTT 1920
1861 AAGCGCTGCTTCTGTTTCAATTTTACAGTGTACTTTGTTTAAACACCTGCTGAGGCTT 1920
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1981 GTTCTAACCATGCTTAAATGACAGATATGCAAAATTCATAGCTCAATTAAGAAATC 2040
1981 GTTCTAACCATGCTTAAATGACAGATATGCAAAATTCATAGCTCAATTAAGAAATC 2040
2041 TGATATTTAGACCAAAACCAATTCGTTCTTAAACCAATTCGTTATGATTTAATAGCA 2100
2041 TGATATTTAGACCAAAACCAATTCGTTCTTAAACCAATTCGTTATGATTTAATAGCA 2100
2101 AAATGAAAGAAATCTTAATGAAACAGCTCTTTTAAACAGTGTGAGTACACATATT 2160
2101 AAATGAAAGAAATCTTAATGAAACAGCTCTTTTAAACAGTGTGAGTACACATATT 2160
2161 TGACCCAAAGTGGATATTTCTTAAACCAATTAATAGCTATTTACTGACAGCTA 2220
2161 TGACCCAAAGTGGATATTTCTTAAACCAATTAATAGCTATTTACTGACAGCTA 2220
2221 TAAATCTGGATATAGAAAGAGAGCTGTATCAAACTGCTTTTGTAGTGTGTTTCATA 2280
2221 TAAATCTGGATATAGAAAGAGAGCTGTATCAAACTGCTTTTGTAGTGTGTTTCATA 2280
2281 CAATTTATGATTAATAATACACTGATTAAGAGAGAGCTGTTGAGGAGTATTTTCTA 2340
2281 CAATTTATGATTAATAATACACTGATTAAGAGAGAGCTGTTGAGGAGTATTTTCTA 2340
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2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTACTGCTGCTTATATAAATTTAAAGACAA 2460
2401 GTACTTAAAGTTAAGTTGTTAAAGTATTTACTGCTGCTTATATAAATTTAAAGACAA 2460
2461 GACATTTCAATAAATGAGGAAATAATGTTAGTTTCAATTTTAAAGCAATAAATGCT 2520
2461 GACATTTCAATAAATGAGGAAATAATGTTAGTTTCAATTTTAAAGCAATAAATGCT 2520
2521 TAGTGAGTTATTGT 2534
2521 TAGTGAGTTATTGT 2534

RESULT 3
US-09-949-016-2974
; Sequence 2974, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2974
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2974

Query Match 100.0%; Score 2534; DB 4; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGACGAGCTATCAGTCACCATGT 60
Db 1 GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGACGAGCTATCAGTCACCATGT 60
QY 61 CGCAGAGCTGATCCCGGCTCTCGGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
Db 61 CGCAGAGCTGATCCCGGCTCTCGGCTCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120
QY 121 CGGCGAGCGAGGAGCGGCTCCCATTTGCTATCAGATGTTTACGAGAGCTTGGACATCA 180
Db 121 CGGCGAGCGAGGAGCGGCTCCCATTTGCTATCAGATGTTTACGAGAGCTTGGACATCA 180
QY 181 GGAAGAGAAAGACAGATGCTCTGCCAGGGGCTGCCCTTTGAGGAATTCCTGTGT 240
Db 181 GGAAGAGAAAGACAGATGCTCTGCCAGGGGCTGCCCTTTGAGGAATTCCTGTGT 240
QY 241 ATGGGAAACATAGTATATGCTTCTGATCGAGCATATGTTGGGCTGCTGTCACAGGGGAG 300
Db 241 ATGGGAAACATAGTATATGCTTCTGATCGAGCATATGTTGGGCTGCTGTCACAGGGGAG 300
QY 301 TAACTACGAACTCAGGGGAGCTGTACGAGTCTATAGCTTACCTGCTCGAGAAACTATT 360
Db 301 TAACTACGAACTCAGGGGAGCTGTACGAGTCTATAGCTTACCTGCTCGAGAAACTATT 360
QY 361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTGCTTTCTCA 420
Db 361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTGCTTTCTCA 420
QY 421 CAGTAACTAAAGGCAAAAGTAGTACAGAGGGCCACAGGACAGCTGTCCACAGCAC 480
Db 421 CAGTAACTAAAGGCAAAAGTAGTACAGAGGGCCACAGGACAGCTGTCCACAGCAC 480
QY 481 ATCCACCAACAGGTAAACGACTTAAAGAAACACCCGAGAGAAACTGGCAATAAAGATT 540
Db 481 ATCCACCAACAGGTAAACGACTTAAAGAAACACCCGAGAGAAACTGGCAATAAAGATT 540
QY 541 GTAAAGCAGACATGTCATTTCTGATTTGATGGAAGCTTTAAATTTGGGCGAGCCCGATT 600
Db 541 GTAAAGCAGACATGTCATTTCTGATTTGATGGAAGCTTTAAATTTGGGCGAGCCCGATT 600
QY 601 ATTTACAGAGAAATTTGTTGGAAAGTGGCTCTAATGTTGGAAATTTGGAACAGAGGAC 660
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Db 661 CACATGTGGGCTTGTTCAGGCAAGCATCCCAAAATAGAAATTTTACTTTGAAAACT 720
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Db 721 TTACATCAGCAAAAGATGTTGTTGCCATTAAGAGAGTAGGTTTTCAGAGGGGTAATT 780

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DB 2101 AAATGAAAGAGAACTTAATGAACACACAGCTCTTTAAACATGGTTTCAGGTACACATATTT 2160
QY 2161 TGACCCAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTAAGTACGAGACTA 2220
DB 2161 TGACCCAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTAAGTACGAGACTA 2220
QY 2221 TAAATCTGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGGTTTTCATAA 2280
DB 2221 TAAATCTGATATAGAAAGAGACCTGTATCAAACTGCTTTTGTAGTGGTTTTCATAA 2280
QY 2281 CAATCTATGACTAAATATACACTGAATAAGAGAGAGAGATGGCAGGATATTTTCTA 2340
DB 2281 CAATCTATGACTAAATATACACTGAATAAGAGAGAGAGATGGCAGGATATTTTCTA 2340
QY 2341 TTTCTCTCTTAATTTAT 2400
DB 2341 TTTCTCTCTTAATTTAT 2400
QY 2401 GTACTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 2460
DB 2401 GTACTTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAA 2460
QY 2461 GACATTTCAATTAACCTGCAGAAAAATATTTGATGTTGATATTTAAAGCAATAAAGTGC 2520
DB 2461 GACATTTCAATTAACCTGCAGAAAAATATTTGATGTTGATATTTAAAGCAATAAAGTGC 2520
QY 2521 TAGTGAGTTATGT 2534
DB 2521 TAGTGAGTTATGT 2534

RESULT 5

US-09-949-016-2423
; Sequence 2423, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2423

Query Match 98.9%; Score 2506.2; DB 4; Length 2882;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2508; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCATGATGTCAGATGTCGAGCCTGGATCCCGGCTCTC 83
DB 372 TCTCTCCAGGTGTGAGCAGCCTATCATGATGTCAGATGTCGAGCCTGGATCCCGGCTCTC 431
QY 84 GGCCTCGGTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 143
DB 432 GGCCTCGGTGTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 491
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DB 492 ATTGCTATCATGTTTATACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 551
QY 204 TGCCCGAGGGGCTGCGCTCTTTCAGGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 263
DB 552 TGCCCGAGGGGCTGCGCTCTTTCAGGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 611
QY 264 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAAATCAGCAACTCAGGGGACCT 323
DB 612 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAAATCAGCAACTCAGGGGACCT 671
QY 324 GTACGAGTCTATAGCCTACTGCTCGAGAAACTATCTCAGTAGATGCCAATGCGATC 383
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QY 384 CAGTCTCAAAATGCTTTCTAGATGCTGCTTTTTCACAGTAACTAAAGGCAAAAGTAGT 443
DB 732 CAGTCTCAAAATGCTTTCTAGATGCTGCTTTTTCACAGTAACTAAAGGCAAAAGTAGT 791
QY 444 ACACAGGAGGCCACAGGACCAAGCAGTGTCCACAGCACTCCACCAACAGGTAAACGACTA 503
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QY 564 ATTGATGGAAGCTTTTAAATATTTGGGAGCCGCAATTTTACAGAGAATTTTGTGGA 623
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QY 984 GGGATGTTTGAAGTGTCAATGTTTATGTTTGAAGGCTGCTGTGCGGAATATGCTTCTTC 1043
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DB 1392 TCTTACCATGCCCCAATGTTTGGCAACACAAATAGTAAAGCTCTGTTGATCAGAAG 1451
QY 1104 CTGTGCACTCATGACCAATATGTTGTCAGCAGACCTGTTTAACTCAGTGAACATTTGCC 1163
DB 1452 CTGTGCACTCATGACCAATATGTTGTCAGCAGACCTGTTTAACTCAGTGAACATTTGCC 1511
QY 1164 TTTCTAAATGATGGCTTCCAGCAGTGTGGAGATAGCAATTTTCGCGCTCATGCTTGAATTT 1223
DB 1512 TTTCTAAATGATGGCTTCCAGCAGTGTGGAGATAGCAATTTTCGCGCTCATGCTTGAATTT 1571
QY 1224 GTTTCACCATGCCCCAATGTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGCTGTA 1283
DB 1572 GTTTCACCATGCCCCAATGTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGCTGTA 1631

Qy	1284	CAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTCACCTGACTATAGACACCAAGAGAAAT	1343
Db	1632	CAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTCACCTGACTATAGACACCAAGAGAAAT	1691
Qy	1344	GTCTAGCTGTCAATCAGAAACATCCGCTATATAGTGGTGGACAGCTACTGGTCATGCC	1403
Db	1692	GTCTAGCTGTCAATCAGAAACATCCGCTATATAGTGGTGGACAGCTACTGGTCATGCC	1751
Qy	1404	ATTTCTTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAGACACTTC	1463
Db	1752	ATTTCTTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAGACACTTC	1811
Qy	1464	CTAGTAATCTGTACAGATGGCGAGTCCATGATGATGTCTATGATGATGTCCAAGGCCCTCAGCTGCTGCA	1523
Db	1812	CTAGTAATCTGTACAGATGGCGAGTCCATGATGATGTCTATGATGATGTCCAAGGCCCTCAGCTGCTGCA	1871
Qy	1524	CATGATCAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACTCTCGATGACCTG	1583
Db	1872	CATGATCAGGAATCACTATCTTCTCTGTTGGTGGCTTGGGCACTCTCGATGACCTG	1931
Qy	1584	AAAGATATGCTTCAACCGAAGGAGTCTCATGCTTTTCAAGAGAGAGTTCA CAGGA	1643
Db	1932	AAAGATATGCTTCAACCGAAGGAGTCTCATGCTTTTCAAGAGAGAGTTCA CAGGA	1991
Qy	1644	TTAGAACCAATTTGTTTCTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	1703
Db	1992	TTAGAACCAATTTGTTTCTGATGTCAATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	2051
Qy	1704	CAATAAATGGTAACTATTTTGACAACCTGAAGAAAAGTCAAGGGGATCCAGTGTGTAAT	1763
Db	2052	CAATAAATGGTAACTATTTTGACAACCTGAAGAAAAGTCAAGGGGATCCAGTGTGTAAT	2111
Qy	1764	TGTTTCTCATAACTAGAAATGCTTTAGACATCTAGAACTCAGATACAAACCTATTAAAGT	1823
Db	2112	TGTTTCTCATAACTAGAAATGCTTTAGACATCTAGAACTCAGATACAAACCTATTAAAGT	2171
Qy	1824	ATGTCACACAGCCATTTAGGCAAAATFAAGCACTCTTTTAAAGCGGTGCTTCTGGTTACAA	1883
Db	2172	ATGTCACACAGCCATTTAGGCAAAATFAAGCACTCTTTTAAAGCGGTGCTTCTGGTTACAA	2231
Qy	1884	TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAAACT	1943
Db	2232	TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATAATCATGGCTCTTAGAAACT	2291
Qy	1944	CAGGAAAGAGGAGATAATGTGGATTTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG	2003
Db	2292	CAGGAAAGAGGAGATAATGTGGATTTAAACCTTTAAGAGTTCTAACCATGCTCTAAATG	2351
Qy	2004	TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAGCAACA	2063
Db	2352	TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAGCAACA	2411
Qy	2064	TTTCGTTCTCAACCAATCTGTATTGATTATATAAGCAAAATGAAAAGAGAACTTAAATG	2123
Db	2412	TTTCGTTCTCAACCAATCTGTATTGATTATATAAGCAAAATGAAAAGAGAACTTAAATG	2471
Qy	2124	AAACAAGCTCTTTAACTAGGTTACGGTACATATTTTGACCCCAAGTGGATATTTTCTTA	2183
Db	2472	AAACAAGCTCTTTAACTAGGTTACGGTACATATTTTGACCCCAAGTGGATATTTTCTTA	2531
Qy	2184	AAACCAATCAATAATAGCTAGCTATTACTGACAGACTATAAAATCTGGATATAGAAAGGAG	2243
Db	2532	AAACCAATCAATAATAGCTAGCTATTACTGACAGACTATAAAATCTGGATATAGAAAGGAG	2591
Qy	2244	ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAACAACTTATGACTAAAAATATCAC	2303
Db	2592	ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAACAACTTATGACTAAAAATATCAC	2651
Qy	2304	ACTGTAATAGAGACGAGGATTCGACGGTATTTTCTATTTCTCTCCCTTAATTTTATATGT	2363
Db	2652	ACTGTAATAGAGACGAGGATTCGACGGTATTTTCTATTTCTCTCCCTTAATTTTATATGT	2711

Qy	2364	ATATAGATATATTTGGCTTATATCTTAAGTCACTTAAGTACTTAAAGATTAAAGTTGGTAA	2422
Db	2712	ATATAGATATATTTGGCTTATATCTTAAGTCACTTAAGTACTTAAAGATTAAAGTTGGTAA	2771
Qy	2424	AGTATTTACTGACCTGCTTTATAAATTTAAAGACAAAGACATTTCAATTAACCTGCAGAAA	2483
Db	2772	AGTATTTACTGACCTGCTTTATAAATTTAAAGACAAAGACATTTCAATTAACCTGCAGAAA	2831
Qy	2484	AAATATTTAGTCTTTGAATATTTTAAGCAATATAAACTGCTAGTGTATTGTT	2534
Db	2832	AAATATTTAGTCTTTGAATATTTTAAGCAATATAAACTGCTAGTGTATTGTT	2882
RESULT 6			
US-09-907-794A-226			
; Sequence 226, Application US/09907794A			
; Patent No. 6635468			
GENERAL INFORMATION:			
; APPLICANT: Genentech, Inc.			
; APPLICANT: Ashkenazi, Avi			
; APPLICANT: Botstein, David			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Eaton, Dan L.			
; APPLICANT: Ferrata, Napoleone			
; APPLICANT: Filvaroff, Ellen			
; APPLICANT: Fong, Sherman			
; APPLICANT: Gao, Wei-Qiang			
; APPLICANT: Gerber, Hanspeter			
; APPLICANT: Gerritsen, Mary E.			
; APPLICANT: Goddard, A.			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Grimaldi, Christopher J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Hillan, Kenneth, J.			
; APPLICANT: Kljavin, Ivar J.			
; APPLICANT: Mather, Jennie P.			
; APPLICANT: Pan, James			
; APPLICANT: Paoni, Nicholas F.			
; APPLICANT: Roy, Margaret Ann			
; APPLICANT: Stewart, Timothy A.			
; APPLICANT: Tumas, Daniel			
; APPLICANT: Williams, P. Mickey			
; APPLICANT: Wood, William, I.			
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic			
TITLE OF INVENTION: Acids Encoding the Same			
FILE REFERENCE: 10466-14			
CURRENT APPLICATION NUMBER: US/09/907,794A			
CURRENT FILING DATE: 2001-07-17			
PRIOR APPLICATION NUMBER: PCT/US00/04414			
PRIOR FILING DATE: 2000-02-22			
PRIOR APPLICATION NUMBER: US 60/143,048			
PRIOR FILING DATE: 1999-07-07			
PRIOR APPLICATION NUMBER: US 60/145,698			
PRIOR FILING DATE: 1999-07-26			
PRIOR APPLICATION NUMBER: US 60/146,222			
PRIOR FILING DATE: 1999-07-28			
PRIOR APPLICATION NUMBER: PCT/US99/20594			
PRIOR FILING DATE: 1999-09-08			
PRIOR APPLICATION NUMBER: PCT/US99/20944			
PRIOR FILING DATE: 1999-09-13			
PRIOR APPLICATION NUMBER: PCT/US99/21090			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/21547			
PRIOR FILING DATE: 1999-09-15			
PRIOR APPLICATION NUMBER: PCT/US99/23089			
PRIOR FILING DATE: 1999-10-05			
PRIOR APPLICATION NUMBER: PCT/US99/28214			
PRIOR FILING DATE: 1999-11-29			
PRIOR APPLICATION NUMBER: PCT/US99/28313			
PRIOR FILING DATE: 1999-11-30			
PRIOR APPLICATION NUMBER: PCT/US99/28564			
PRIOR FILING DATE: 1999-12-02			
PRIOR APPLICATION NUMBER: PCT/US99/28565			

Db 2223 TTACAGTGACTTTGTTAAACACATGCTGAGGCTTCATATCATGCTCTTAGAACT 2282
Qy 1944 CAGGAAGAGGAGATTAATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2003
Db 2283 CAGGAAGAGGAGATTAATGTGGATTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2342
Qy 2004 TACAGATATCAATTCATAGCTCAATTAAGAACTGTATCTATAGACCAAAAGCAACA 2063
Db 2343 TACAGATATCAATTCATAGCTCAATTAAGAACTGTATCTATAGACCAAAAGCAACA 2402

RESULT 7

US-09-905-125A-226

; Sequence 226, Application US/09905125A

; Patent No. 6664376

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/905,125A

; CURRENT FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22

; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28

; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08

; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13

; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15

; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05

; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29

; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30

; PRIOR APPLICATION NUMBER: PCT/US99/28564

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/28565

; PRIOR FILING DATE: 1999-12-02

; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-905-125A-226

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy	24	TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGGCTCTC	83
Db	363	TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTCGATCCCGGCTCTC	422
Qy	84	GGCCTCGGTGTGTCTGCTGTCTGCTCGGGGCCCGGGCAGCAGGGAGCCGCTCC	143
Db	423	GGCCTCGGTGTGTCTGCTGTCTGCTCGGGGCCCGGGCAGCAGGGAGCCGCTCC	482
Qy	144	ATTGCTATCATGTTTTTACCAGAGGCTTGGACATCAGAAAGAGAGAGAGAGAGAGAG	203
Db	483	ATTGCTATCATGTTTTTACCAGAGGCTTGGACATCAGAAAGAGAGAGAGAGAGAGAG	542
Qy	204	TGCCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAATATATATATCTCT	263
Db	543	TGCCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAATATATATATCTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTCTGTCCACAGGGAGTAATCAGCAACTCAGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTCTGTCCACAGGGAGTAATCAGCAACTCAGGGGACCT	662
Qy	324	GTACGAGTCTATAGCCTACCTGGTCGAGAAACTTCTCTCAGTAGATGCCAATGGCATC	383
Db	663	GTACGAGTCTATAGCCTACCTGGTCGAGAAACTTCTCTCAGTAGATGCCAATGGCATC	722
Qy	384	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTACAGTAACCTAAAGGCAAAAGT	443
Db	723	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTACAGTAACCTAAAGGCAAAAGT	782
Qy	444	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAGCATCCACCAACAGGTAAACGACTA	503
Db	783	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAGCATCCACCAACAGGTAAACGACTA	842
Qy	504	AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAAGCAGACATTCATTCTTG	563
Db	843	AAGAAACACCCGAGAGAAACTGGCAATAAGATTGTAAAGCAGACATTCATTCTTG	902
Qy	564	ATTGATGGAAGCTTTTAATAATTGGGAGCGCCGATTTTAAATTTTACAGAAAGATTTT	623
Db	903	ATTGATGGAAGCTTTTAATAATTGGGAGCGCCGATTTTAAATTTTACAGAAAGATTTT	962
Qy	624	AAAGTGGCTCTAATGTGTGGGAATTTGGAACAGAAAGCCACATGTGGGCCCTTTTCA	683
Db	963	AAAGTGGCTCTAATGTGTGGGAATTTGGAACAGAAAGCCACATGTGGGCCCTTTTCA	1022
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATG	743
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATG	1082
Qy	744	TTTGCCATAAAGGAAGTAGTTTTCAGAGGGGTAAATTCAAATACAGAAAAAGCTTTGA	803
Db	1083	TTTGCCATAAAGGAAGTAGTTTTCAGAGGGGTAAATTCAAATACAGAAAAAGCTTTGA	1142
Qy	804	CATCTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGAGTCCCAAGTG	863
Db	1143	CATCTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGAGTCCCAAGTG	1202

Qy 864 GTGGTGGTATTTATTTGATGGTTGGCTTCTGATGACATCGAGGAAGCAGGCAATTTGTGGCC 923
Db 1203 GTGGTGGTATTTATTTGATGGTTGGCTTCTGATGACATCGAGGAAGCAGGCAATTTGTGGCC 1262
Qy 924 AGAGAGTTGGTGTCAATGATTTATTTAGTTTCTGTGGCAAGCCTATCCCTGGAAGAACTG 983
Db 1263 AGAGAGTTGGTGTCAATGATTTATTTAGTTTCTGTGGCAAGCCTATCCCTGGAAGAACTG 1322
Qy 984 GGGATGGTTGAGGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAATGGCTTCTTC 1043
Db 1323 GGGATGGTTGAGGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAATGGCTTCTTC 1382
Qy 1044 TCTTACCACATGCCCCAACTGGTTGGCACCAAAAATACGTAAAGCCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCCAACTGGTTGGCACCAAAAATACGTAAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTATATTAACCTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTATATTAACCTCAGTGAACATTTGCC 1502
Qy 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACATPAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCAAAGATAGCTGCTGTA 1283
Db 1563 GTTTCACATPAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCAAAGATAGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCTGATATATGACCAAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCTGATATATGACCAAGAGAAAT 1682
Qy 1344 GTCTAGCTGTCATCAGAAACATCCGCTATATGATGCTGCGACAGCTACTGCTGATGCC 1403
Db 1683 GTCTAGCTGTCATCAGAAACATCCGCTATATGATGCTGCGACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCACAGATGGGAGCTCTATGATGATGTCGAAGCCCTGAGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCACAGATGGGAGCTCTATGATGATGTCGAAGCCCTGAGCTGCTGCA 1862
Qy 1524 CATGATCAGGAATCACTATCTCTGTTGTTGGTGGCTTGGGCACTCTGATGACCTG 1583
Db 1863 CATGATCAGGAATCACTATCTCTGTTGTTGGTGGCTTGGGCACTCTGATGACCTG 1922
Qy 1584 AAAGATATGGCTTCAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGAGTTTCAAGGA 1643
Db 1923 AAAGATATGGCTTCAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGAGTTTCAAGGA 1982
Qy 1644 TTAGAACAAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACAAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATAATGGTAAATTTGTAACATGTAAGAAAGTACAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGGTAAATTTGTAACATGTAAGAAAGTACAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCATATCTAGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTATTAAAT 1823
Db 2103 TGTATTTCTCATATCTAGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTATTAAAT 2162
Qy 1824 ATGTCAACAGCAATTTAGGCAATAAGCATCTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCAATTTAGGCAATAAGCATCTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282

Qy 1944 CAGAAAGAGGAGATATGTGGATTAAAACTTTAAGAGTTTCTAACCATGCTTACTAAATG 2003
Db 2283 CAGAAAGAGGAGATATGTGGATTAAAACTTTAAGAGTTTCTAACCATGCTTACTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCCTAGCTCAATAAAAGATCTGATCTTACAGCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCCTAGCTCAATAAAAGATCTGATCTTACAGCAAAAGCAACA 2402

RESULT 8
US-09-902-775A-226
; Sequence 226, Application US/09902775A
; Patent No. 6686451
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,775A
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911

; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US99/30999									
; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US00/00219									
; PRIOR FILING DATE: 2000-01-05									
; NUMBER OF SEQ ID NOS: 423									
; SEQ ID NO 226									
; LENGTH: 2403									
; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-902-775A-226									
Query Match									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
QY	24	TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCGCGCAGCCTCGGATCCCGGCTCTC	83		1203	GTGGTGGTATTATTATGATGGTTGGCCTTCTGATGACATCGAGGAGCAGGCAATGTGTGCC	1262		
DB	363	TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCGCGCAGCCTCGGATCCCGGCTCTC	422		924	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGGAAGACTG	983		
QY	84	GGCCTCGGTGTGTGCTGTGCTGCTGCTGCCGGGGCCCGCGGCGAGCGAGGAGCGCTCCC	143		1263	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGGAAGACTG	1322		
DB	423	GGCCTCGGTGTGTGCTGTGCTGCTGCTGCCGGGGCCCGCGGCGAGCGAGGAGCGCTCCC	482		984	GGGATGGTTCAGGATGTCAATTTGTTGCAAGGCTGTCTGTGCGGAATAATGGCTTCTTC	1043		
QY	144	ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCTC	203		1323	GGGATGGTTCAGGATGTCAATTTGTTGACAAAGCTGTCTGTGCGGAATAATGGCTTCTTC	1382		
DB	483	ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCTC	542		1044	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAGAACCTCTCGTACAGAAG	1103		
QY	204	TGCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT	263		1383	TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAGAACCTCTCGTACAGAAG	1442		
DB	543	TGCCAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT	602		1104	CTGTGCACCTCATGAACAAATGATGTGCAGCAAGACCTGTTTATACTCAGTGAACATTTGCC	1163		
QY	264	GTATCGAGCATPATGTGGGGCTGTGCTCCAGGGGAGTAATCAGCAACTCAGGGGACCT	323		1443	CTGTGCACCTCATGAACAAATGATGTGCAGCAAGACCTGTTTATACTCAGTGAACATTTGCC	1502		
DB	603	GTATCGAGCATPATGTGGGGCTGTGCTCCAGGGGAGTAATCAGCAACTCAGGGGACCT	662		1164	TTTCTAAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1223		
QY	324	GTACGAGCTATAGCCTACCTGTGCGAGAAACTATTCCTCAGTAGTGCAATGGCATC	383		1503	TTTCTAAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT	1562		
DB	663	GTACGAGCTATAGCCTACCTGTGCGAGAAACTATTCCTCAGTAGTGCAATGGCATC	722		1224	GTTTCCAACTAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGGCCAAAGTAGCTCTGTA	1283		
QY	384	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCACAGTAACCTAAAGGCCAAAGTAGT	443		1563	GTTTCCAACTAGCCCAAGACTTTTGAAATCTCGGACATTTGGTGGCCAAAGTAGCTCTGTA	1622		
DB	723	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCACAGTAACCTAAAGGCCAAAGTAGT	782		1284	CAGTTTACTTATGATCAGCGCACGGAGTTCACTGATTTCACTGATATAGCACCAAGAGAAAT	1343		
QY	444	ACACAGAGGCGCACAGGACCAAGCAAGTGTCCACAGCACATCCACACAGGTAACGACTA	503		1623	CAGTTTACTTATGATCAGCGCACGGAGTTCACTGATTTCACTGATATAGCACCAAGAGAAAT	1682		
DB	783	ACACAGAGGCGCACAGGACCAAGCAAGTGTCCACAGCACATCCACACAGGTAACGACTA	842		1344	GTCCCTAGCTGTGTCATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTCAATGCC	1403		
QY	504	AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAAGCAGACATTTGATTTCTG	563		1683	GTCCCTAGCTGTGTCATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTCAATGCC	1742		
DB	843	AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAAGCAGACATTTGATTTCTG	902		1404	ATTTCTCTCCTCCTGTGTAGAAATGTGTTGGCCCTTATAAGGGAGAGCCCCCAACAAAGAACTTC	1463		
QY	564	ATTGATGGAAGCTTTAATATTGGCAGCGCGCATTTTAAATTTACAGAAAGATTTTGTGGA	623		1743	ATTTCTCTCCTCCTGTGTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCCCAACAAAGAACTTC	1802		
DB	903	ATTGATGGAAGCTTTAATATTGGCAGCGCGCATTTTAAATTTACAGAAAGATTTTGTGGA	962		1464	CTAGTAATTTGTCAAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTGACGCTGCTGCA	1523		
QY	624	AAAGTGGCTTAATTTGGGAAATTTGGAACAGAGGACACATGTGGGCCCTGTTCAGCC	683		1803	CTAGTAATTTGTCAAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTGACGCTGCTGCA	1862		
DB	963	AAAGTGGCTTAATTTGGGAAATTTGGAACAGAGGACACATGTGGGCCCTGTTCAGCC	1022		1524	CATGATCGAGGAATCACTATCTTCTGTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG	1583		
QY	684	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTATCATCAGCCAAAGATTTTGT	743		1863	CATGATCGAGGAATCACTATCTTCTGTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG	1922		
DB	1023	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTATCATCAGCCAAAGATTTTGT	1082		1584	AAAGATATGGCTTTTAAACCCGAGGAGTCTCATGTCTTTCTTCAAGAGAGTTTCAAGGA	1643		
QY	744	TTTGGCATAAAGGAAGTAGTTTTCAGAGGGGGTAATTTCCAATACAGAAAGGCTTTGAAG	803		1923	AAAGATATGGCTTTTAAACCCGAGGAGTCTCATCGCTTTCTTCAAGAGAGTTTCAAGGA	1982		
DB	1083	TTTGGCATAAAGGAAGTAGTTTTCAGAGGGGGTAATTTCCAATACAGAAAGGCTTTGAAG	1142		1644	TTAGAAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	1703		
QY	804	CATCTGCTCAGAAATTTCTTACCGGTAGATGCTGAGTAGAGAAAGGATCCCAAGATG	863		1983	TTAGAAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG	2042		
DB	1143	CATCTGCTCAGAAATTTCTTACCGGTAGATGCTGAGTAGAGAAAGGATCCCAAGATG	1202		1704	CAATATGTTGTAACATTTTGGACAACTGAAAGAAAAGTACAAAGGATCCAGTGTGTAAT	1763		
QY	864	GTGGTGGTATTATTATGATGGTTGGCCTTCTGATGACATCGAGGAAGCAGGCAATTTGGCC	923		2043	CAATATGTTGTAACATTTTGGACAACTGAAAGAAAAGTACAAAGGATCCAGTGTGTAAT	2102		

Db 2283 CAGGAAGAGAGAGATAATGTGGATTAAAACTTAAGAGTTCTAACCATGCTTACTAAATG 2342
QY 2004 TACAGATATGCMAATTCATAGCTCAATAAAGAAATCTGATACTTACAGCAAAAGCAACA 2063
Db 2343 TACAGATATGCMAATTCATAGCTCAATAAAGAAATCTGATACTTACAGCAAAAGCAACA 2402

RESULT 9

US-09-906-700-226
; Sequence 226, Application US/09906700
; Patent No. 6723535
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar P.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/906,700
; CURRENT FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-906-700-226

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGAGCAGGTGTGAGCAGCCCTATCAGTCACCATGTCGCGAGCCTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCCTATCAGTCACCATGTCGCGAGCCTGGATCCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGTCTGTCTGTCGCGGGGCCCGCGGGCAGCGAGGAGCCGCTCC 143
Db 423 GGCCTCGGTGTGTCTGTCTGTCTGTCGCGGGGCCCGCGGGCAGCGAGGAGCCGCTCC 482
QY 144 ATTGCTATCACATGTTTTTACCAGAGGCTTGGACATCAGGAAGAGAAAGCAGATGCTCTC 203
Db 483 ATTGCTATCACATGTTTTTACCAGAGGCTTGGACATCAGGAAGAGAAAGCAGATGCTCTC 542
QY 204 TGCCAGGGGGCTGCCCTCTTTCAGGAATTCCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 543 TGCCAGGGGGCTGCCCTCTTTCAGGAATTCCTGTGTATGGGAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTGTCCACAGGGGAGTAAATCAGCAACTCAGGGGGACCT 662
QY 324 GTACGAGTCTATAGCCTACTCTGTGTCAGAAAACTATTCCTCAGTAGATGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTACTCTGTGTCAGAAAACTATTCCTCAGTAGATGCAATGGCATC 722
QY 384 CAGTCTCAAAATGCTTTCTAGATGCTGTCTTTTCACAGTAACTAAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGCTGTCTTTTCACAGTAACTAAAGGCAAAAGTAGT 782
QY 444 ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 503
Db 783 ACACAGAGGCCACAGGACCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842
QY 504 AGAAAAACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 563
Db 843 AGAAAAACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 902
QY 564 ATTGATGGAGGCTTTTAATATTGGGCGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 623
Db 903 ATTGATGGAGGCTTTTAATATTGGGCGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 962
QY 624 AAAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCCACATGTGGGCCCTTGTTCAGGCC 683
Db 963 AAAGTGGCTCTAATGTTGGGAATTGGAAACAGAGGACCCACATGTGGGCCCTTGTTCAGGCC 1022
QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCAGCAAGATGTTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCAGCAAGATGTTTG 1082
QY 744 TTTGCCATAAAGGAGTAGGTTTCAGAGGGGGTAAATCCAAATACAGGAAGGCTTTGAAG 803
Db 1083 TTTGCCATAAAGGAGTAGGTTTCAGAGGGGGTAAATCCAAATACAGGAAGGCTTTGAAG 1142
QY 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGGATCCCAAGTG 1202
QY 864 GTGGTGGTATTTATGATGTTGGCCCTTCTGTATGACATCGAGGAAGCAGCATTTGGGCC 923
Db 1203 GTGGTGGTATTTATGATGTTGGCCCTTCTGTATGACATCGAGGAAGCAGCATTTGGGCC 1262

;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 226
;; LENGTH: 2403
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-903-603A-226

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 24 TCTCGAGAGGTGTGAGAGCCTATCAGTCAACCAATGTCGAGCCTCGAGTCCCGGTCTC 83
Db TCTCTCCAGGTGTGAGAGCCTATCAGTCAACCAATGTCGAGCCTCGAGTCCCGGTCTC 422

Qy 84 GGCTCCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGCGAGGGAGCGGCTCC 143
Db GGCTCCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGCGAGGGAGCGGCTCC 482

Qy 144 ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCCTC 203
Db ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCCTC 542

Qy 204 TGCCAGGGGGTCCCTCTTTGAGAAATCTCTGTGTATGAGAAACATAGATATGCTTCT 263
Db TGCCAGGGGGTCCCTCTTTGAGAAATCTCTGTGTATGAGAAACATAGATATGCTTCT 602

Qy 264 GTATCGAGCATATGTGGGGTCTGTCCAGGGGAGTATCAGCACTCAGGGGACCT 323
Db GTATCGAGCATATGTGGGGTCTGTCCAGGGGAGTATCAGCACTCAGGGGAGACCT 662

Qy 324 GTACGAGCTATAGCCTACCTGTCGAGAAAACTATTCTCAGTAGATGCCAATGGCATC 383
Db GTACGAGCTATAGCCTACCTGTCGAGAAAACTATTCTCAGTAGATGCCAATGGCATC 722

Qy 384 CAGTCTCAATGTCTTCTAGATGCTGCTTCTTCTTCAAGTAACTAAAGCAAAAGTAGT 443
Db CAGTCTCAATGTCTTCTAGATGCTGCTTCTTCTTCAAGTAACTAAAGCAAAAGTAGT 782

Qy 444 ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACACAGTAAACGACTA 503
Db ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACACAGTAAACGACTA 842

Qy 504 AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCAATTTCTG 563
Db AAGAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAGCAGACATTTGCAATTTCTG 902

Qy 564 ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 623
Db ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 962

Qy 624 AAGTGGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCCCTGTTCAAGCC 683
Db AAGTGGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGCGGCCCTGTTCAAGCC 1022

Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTCAAAACTTTACATCAGCCAAAGATGTTTTG 743
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Qy 744 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAATTTCCAATAAGAGGATCCCAAGTG 803
Db TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAATTTCCAATAAGAGGATCCCAAGTG 1142

Qy 804 CATACTGCTCAGAAATCTTCAAGGTAGTGTGGAGTAAAGAAAGGATCCCAAGTG 863
Db CATACTGCTCAGAAATCTTCAAGGTAGTGTGGAGTAAAGAAAGGATCCCAAGTG 1202

Qy 864 GTGGTGTATTATTATGATGTTGGCTTCTGTGACATCCAGGAGCAGGCAATTTGGGCC 923
Db GTGGTGTATTATTATGATGTTGGCTTCTGTGACATCCAGGAGCAGGCAATTTGGGCC 1262

Qy 924 AGAGAGTTTGGTGTCAATGTATTATTATGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983

Db 1263 AGAGAGTTTGGTGTCAATGTATTATTATGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGTTTCCAGGATGTCACATTTGTTGACAGGCTGTCTGTGGAAATATGCTTCTTCTTC 1043
Db 1323 GGGATGTTTCCAGGATGTCACATTTGTTGACAGGCTGTCTGTGGAAATATGCTTCTTCTTC 1382

Qy 1044 TCTTCCACATGCCCACAACTGGTTTGGCACACAAAAATAGTAAAGCCTCTGTGTACAGAAG 1103
Db 1383 TCTTCCACATGCCCACAACTGGTTTGGCACACAAAAATAGTAAAGCCTCTGTGTACAGAAG 1442

Qy 1104 CTGTGCACTCATGAACAAATGATGTCAGCAAGACCTGTTATTAATCTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTCAGCAAGACCTGTTATTAATCTCAGTGAACATTTGCC 1502

Qy 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562

Qy 1224 GTTTCACACATAGCCAAAGACTTTTGAATCTCGACATTTGGTGCCCAAGATAGCTGTGTA 1283
Db 1563 GTTTCACACATAGCCAAAGACTTTTGAATCTCGACATTTGGTGCCCAAGATAGCTGTGTA 1622

Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTCTCACTGACTATATAGCACCAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTCTCACTGACTATATAGCACCAGAGAAAT 1682

Qy 1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGTGGACAGCTACTGTGTGATGCC 1403
Db 1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGTGGACAGCTACTGTGTGATGCC 1742

Qy 1404 ATTTCTTCTCACTGTTAGAAATGTGTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTTC 1463
Db 1743 ATTTCTTCTCACTGTTAGAAATGTGTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTTC 1802

Qy 1464 CTAGTAATTTGTCAAGATGGGCACTCTATGATGATGTCCAGGCGCTCGAGCTGTGCA 1523
Db 1803 CTAGTAATTTGTCAAGATGGGCACTCTATGATGATGTCCAGGCGCTCGAGCTGTGCA 1862

Qy 1524 CATGATGAGGAACTCACTATCTCTGTGTTGGTGTGGCACCTCTGGATGACCTG 1583
Db 1863 CATGATGAGGAACTCACTATCTCTGTGTTGGTGTGGCACCTCTGGATGACCTG 1922

Qy 1584 AAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTCAAGAGAGATTTCAAGGA 1643
Db 1923 AAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTCAAGAGAGATTTCAAGGA 1982

Qy 1644 TTAGAACCAATTTGTTTCTGATGTCAAGGCAATTTGAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTTCTGATGTCAAGGCAATTTGAGAGATTTCTTAGAATCCCAG 2042

Qy 1704 CAATATGTTAACTTTTCACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTTAAAGT 1763
Db 2043 CAATATGTTAACTTTTCACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTTAAAGT 2102

Qy 1764 TGTATTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTTAAAGT 1823
Db 2103 TGTATTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAATCTTAAAGT 2162

Qy 1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCGCTGCTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCGCTGCTCTGGTTACAA 2222

Qy 1884 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCAATATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCAATATCATGGCTCTTAGAACT 2282

Qy 1944 CAGGAAAGAGGAGATTAATGTGATTAACCTTTAAGAGTTCTAAACCATGCTTAAATG 2003
Db 2283 CAGGAAAGAGGAGATTAATGTGATTAACCTTTAAGAGTTCTAAACCATGCTTAAATG 2342

Qy 2004 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTCATATCTTATAGACAAAGCAACA 2063

QY 984 GGGATGGTTTCAAGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAATATGGCTTCTTC 1043
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1323 GGGATGGTTTCAAGATGTCACATTTGTTGACAAAGCTGTCTGTGCGAATAATATGGCTTCTTC 1382
QY 1044 TCTTACACATGCCCCCACTGGTTGGCCACCAAAATACGTAAGCTCTCTGGTACAGAAG 1103
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1383 TCTTACACATGCCCCCACTGGTTGGCCACCAAAATACGTAAGCTCTCTGGTACAGAAG 1442
QY 1104 CTGTGCACTCATGAACAAATGATCTGCAGCAAGACCTGTTATTAATCACTCAAGTGAACATTGCC 1163
Dbb|||||
1443 CTGTGCACTCATGAACAAATGATCTGCAGCAAGACCTGTTATTAATCACTCAAGTGAACATTGCC 1502
QY 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATCTGCTTGAATTT 1223
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Dbb|||||
1563 GTTTCACACATAGCCAGACTTTTGAATCTCGACATTTGGTGCACAGATAGCTGCTGTA 1622
QY 1284 CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATAGCACCAGCAAGAGAAAT 1343
Dbb|||||
1623 CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATAGCACCAGCAAGAGAAAT 1682
QY 1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATGATGTTGGGACAGCTACTGGTGAATGCC 1403
Dbb|||||
1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATGATGTTGGGACAGCTACTGGTGAATGCC 1742
QY 1404 ATTTCTCTACTGTTAGAAATGTTTGGGCCCTATTAAGGAGAGCCGCCAACAGAACTTC 1463
Dbb|||||
1743 ATTTCTCTACTGTTAGAAATGTTTGGGCCCTATTAAGGAGAGCCGCCAACAGAACTTC 1802
QY 1464 CTAGTAATGTCACAGATGSCAGTCTCTATGATGATGTCACAGGCCCTGCAGCTGCTGCA 1523
Dbb|||||
1803 CTAGTAATGTCACAGATGSCAGTCTCTATGATGATGTCACAGGCCCTGCAGCTGCTGCA 1862
QY 1524 CATGATCAGGAATCACTATCTCTCTGTTGGTGTGGCCCTCTGGGACCTCTGGATGACCTG 1583
Dbb|||||
1863 CATGATCAGGAATCACTATCTCTCTGTTGGTGTGGCCCTCTGGGACCTCTGGATGACCTG 1922
QY 1584 AAGATATGGTTCTTAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGAGTA 1643
Dbb|||||
1923 AAGATATGGTTCTTAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGAGTA 1982
QY 1644 TTAGAACAATGTTTCTGATGTCATCAGAGGCAATTTGTAGATTTCTTAGAATCCCAG 1703
Dbb|||||
1983 TTAGAACAATGTTTCTGATGTCATCAGAGGCAATTTGTAGATTTCTTAGAATCCCAG 2042
QY 1704 CAATAATGGTTAAATTTTGACAACTGAAGAAAAAGTACAGGGGATCCAGTGTGTAAAT 1763
Dbb|||||
2043 CAATAATGGTTAAATTTTGACAACTGAAGAAAAAGTACAGGGGATCCAGTGTGTAAAT 2102
QY 1764 TGATTTCTCAATFACATGTAATGTTTGAATCTAGATAGCAATCAAGCAAACTATTAAAT 1823
Dbb|||||
2103 TGATTTCTCAATFACATGTAATGTTTGAATCTAGATAGCAATCAAGCAAACTATTAAAT 2162
QY 1824 ATGTCAACGCAATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTCTGTTTACAA 1883
Dbb|||||
2163 ATGTCAACGCAATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTCTCTGTTTACAA 2222
QY 1884 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATCATGGCTCTTTAGAACT 1943
Dbb|||||
2223 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATCATGGCTCTTTAGAACT 2282
QY 1944 CAGGAAAGAGAGATAATGTGGATTAAACCTTAAAGAGTTCTAAACCATGCTCTAAATG 2003
Dbb|||||
2283 CAGGAAAGAGAGATAATGTGGATTAAACCTTAAAGAGTTCTAAACCATGCTCTAAATG 2342
QY 2004 TACAGATATGCAATTCATAGCTCAATTAAGAAATCTGATCTTGTAGACCAAGCAACA 2063
Dbb|||||
2343 TACAGATATGCAATTCATAGCTCAATTAAGAAATCTGATCTTGTAGACCAAGCAACA 2402

RESULT 12

US-09-909-064-226
; Sequence 226, Application US/09909064
; Patent No. 6818449
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,064
; CURRENT FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403

; TYPE: DNA									
; ORGANISM: Homo sapiens									
US-09-909-064-226									
Query Match 80.1%; Score 2028.8; DB 4; Length 2403;									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
QY	24	TCTCGACAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	83		1323	GGGATGGTTTCAGGATGTCACTTTGTGTGACAGGCTGTCTGTCGGAATTAATGGCTTCTTC	1382		
DB	363	TCTCTCCACAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	422		1044	TCTTACCATGCCCAACTGGTTTGGCACACCAAAATAGTAAAGCCTCTGGTACAGAAG	1103		
QY	84	GGCCTCGGTGTGTCTGCTGCTGCTGCTGCGGGGCCCGCGGCGAGGAGCGGCTCCC	143		1383	TCTTACCATGCCCAACTGGTTTGGCACACCAAAATAGTAAAGCCTCTGGTACAGAAG	1442		
DB	423	GGCCTCGGTGTGTCTGCTGCTGCTGCTGCGGGGCCCGCGGCGAGGAGCGGCTCCC	482		1104	CTGTGCACTCATGAACAAATGATGTGAGCAAGACTGTGTATAACTCAGTGAACATTTGCC	1163		
QY	144	ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCTTC	203		1443	CTGTGCACTCATGAACAAATGATGTGAGCAAGACTGTGTATAACTCAGTGAACATTTGCC	1502		
DB	483	ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGCAGATGTCTTC	542		1164	TTTCTAAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT	1223		
QY	204	TGCCCCAGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATATGTTCT	263		1503	TTTCTAAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT	1562		
DB	543	TGCCCCAGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATATGTTCT	602		1224	GTTTCCAAATATGAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCTAGTAGCTGTGTA	1283		
QY	264	GTATCGAGCATATGTGGGCTGCTGCTCCAGGGGAGTATCAGCACTCAGGGGACCT	323		1563	GTTTCCAAATATGAGCCAAAGACTTTTGAATCTCGGACATTTGGTGCCTAGTAGCTGTGTA	1622		
DB	603	GTATCGAGCATATGTGGGCTGCTGCTCCAGGGGAGTATCAGCACTCAGGGGACCT	662		1284	CAGTTTATCTTATGATCAGGCAAGGAGTTTCTGTTTCACTGACTATAGCAACCAAGAGAAT	1343		
QY	324	GTACGAGCTATATAGCCTACCTGTGCGAGAAAATTAATTCCTCAGTAGATGCCATGCGATC	383		1623	CAGTTTATCTTATGATCAGGCAAGGAGTTTCTGTTTCACTGACTATAGCAACCAAGAGAAT	1682		
DB	663	GTACGAGCTATATAGCCTACCTGTGCGAGAAAATTAATTCCTCAGTAGATGCCATGCGATC	722		1344	GTCCTAGCTGTCTATCAGAAAATCCGCTATATAGTGTGTGGAACAGTACTTGTGTATGCC	1403		
QY	384	CAGTCTCAAAATGCTTTAGATGGTCTGCTCTTTTCAAGTAACTAAGGCAAAAGTAGT	443		1683	GTCCTAGCTGTCTATCAGAAAATCCGCTATATAGTGTGTGGAACAGTACTTGTGTATGCC	1742		
DB	723	CAGTCTCAAAATGCTTTAGATGGTCTGCTCTTTTCAAGTAACTAAGGCAAAAGTAGT	782		1404	ATTTCCCTCACTGTGTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAAGAACTTTC	1463		
QY	444	ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACTA	503		1743	ATTTCCCTCACTGTGTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAAGAACTTTC	1802		
DB	783	ACACAGAGGCCACAGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACACTA	842		1464	CTAGTAAATTTGTACAGATGGGCAGTCTTATGATGATGTCCAAGGCCCTCAGCTGCTGCA	1523		
QY	504	AAGAAACACCCGAGAGAAATACTGGCAATAAAGATTTGTAAGCAGACATTTGATTTCTG	563		1803	CTAGTAAATTTGTACAGATGGGCAGTCTTATGATGATGTCCAAGGCCCTCAGCTGCTGCA	1862		
DB	843	AAGAAACACCCGAGAGAAATACTGGCAATAAAGATTTGTAAGCAGACATTTGATTTCTG	902		1524	CATGATGAGGAATCACTATCTTCTGTGTGTGTGGCTTTGGGCACCTCTGGATGACCTG	1583		
QY	564	ATTGATGGAAGCTTTAATATTTGGCAGCGCGATTTAATTTACAGAAATTTTGTGGA	623		1863	CATGATGAGGAATCACTATCTTCTGTGTGTGTGGCTTTGGGCACCTCTGGATGACCTG	1922		
DB	903	ATTGATGGAAGCTTTAATATTTGGCAGCGCGATTTAATTTACAGAAATTTTGTGGA	962		1584	AAAGATATGGCTTCTAAACCGAAGGAGTCTCATGTCTTTTCAAGAGAGTTTCAAGGA	1643		
QY	624	AAAGTGGCTCTAATGTTGGGAAATTTGGAACAGAGGACCAATGTGGGCCCTTTTCAAGCC	683		1923	AAAGATATGGCTTCTAAACCGAAGGAGTCTCACGCTTTCTTCAAGAGAGTTTCAAGGA	1982		
DB	963	AAAGTGGCTCTAATGTTGGGAAATTTGGAACAGAGGACCAATGTGGGCCCTTTTCAAGCC	1022		1644	TTAGAACCAATTTGTTCTGATGTCTATCAGAGCACTTTGTAGAGATTTCTTAGAATCCCAG	1703		
QY	684	AGTGAAACATCCCAAAATAGAAATTTACTTGAATAAACTTTTACATCAGCCAAAGATGTTTG	743		1983	TTAGAACCAATTTGTTCTGATGTCTATCAGAGCACTTTGTAGAGATTTCTTAGAATCCCAG	2042		
DB	1023	AGTGAAACATCCCAAAATAGAAATTTACTTGAATAAACTTTTACATCAGCCAAAGATGTTTG	1082		1704	CAATAATGTTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGATCCAGTGTGTAAT	1763		
QY	744	TTTGCCATAAGGAAGTAGTTTCAGAGGGGTAAATTCATATCAGAAAGCCTTGAAG	803		2043	CAATAATGTTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGATCCAGTGTGTAAT	2102		
DB	1083	TTTGCCATAAGGAAGTAGTTTCAGAGGGGTAAATTCATATCAGAAAGCCTTGAAG	1142		1764	TGTATTTCTCATATATCTGAAATGCTTTTAGCATCTAGATACTAGATACAAACTATTTAAGT	1823		
QY	804	CATAGTCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	863		2103	TGTATTTCTCATATATCTGAAATGCTTTTAGCATCTAGATACTAGATACAAACTATTTAAGT	2162		
DB	1143	CATAGTCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG	1202		1824	ATGTCACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTGTGTTACAA	1883		
QY	864	GTGGTGGTATTTATGTATGGTGGCTTTCTGATGACATCGAGGAAGCAGGCAATTTGGCC	923		2163	ATGTCACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTGTGTTACAA	2222		
DB	1203	GTGGTGGTATTTATGTATGGTGGCTTTCTGATGACATCGAGGAAGCAGGCAATTTGGCC	1262		1884	TTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTTCTATAATCATGCTCTTAGAACT	1943		
QY	924	AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGGCTATCCCTGGAAGACTG	983		2223	TTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTTCTATAATCATGCTCTTAGAACT	2282		
DB	1263	AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGGCTATCCCTGGAAGACTG	1322		1944	CAGGAAAGAGGAGATTAATGTGATTTAAACCTTTAAGAGTTCTAACCATGCTCTACTAAATG	2003		
QY	984	GGGATGGTTTCAGGATGTACATTTGTTGACAAAGGCTGTCTGTGCGAATAATGGCTTCTTC	1043		2283	CAGGAAAGAGGAGATAAATGTGATTTAAAACTTTAAGAGTTCTTAACCATGCTCTACTAAATG	2342		

US-09-905-381A-226
 ; Sequence 226, Application US/09905381A
 ; Patent No. 6818746

; GENERAL INFORMATION:
 ; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi
 ; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman
 ; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.
 ; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.
 ; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.
 ; APPLICANT: KJavin, Ivar J.

; APPLICANT: Mather, Jennie P.
 ; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.
 ; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.
 ; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey
 ; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
 ; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14
 ; CURRENT APPLICATION NUMBER: US/09/905,381A

; CURRENT FILING DATE: 2001-07-13
 ; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22
 ; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07
 ; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26
 ; PRIOR APPLICATION NUMBER: US 60/146,222

; PRIOR FILING DATE: 1999-07-28
 ; PRIOR APPLICATION NUMBER: PCT/US99/20594

; PRIOR FILING DATE: 1999-09-08
 ; PRIOR APPLICATION NUMBER: PCT/US99/20944

; PRIOR FILING DATE: 1999-09-13
 ; PRIOR APPLICATION NUMBER: PCT/US99/21090

; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/21547

; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: PCT/US99/23089

; PRIOR FILING DATE: 1999-10-05
 ; PRIOR APPLICATION NUMBER: PCT/US99/28214

; PRIOR FILING DATE: 1999-11-29
 ; PRIOR APPLICATION NUMBER: PCT/US99/28313

; PRIOR FILING DATE: 1999-11-30
 ; PRIOR APPLICATION NUMBER: PCT/US99/28564

; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/28565

; PRIOR FILING DATE: 1999-12-02
 ; PRIOR APPLICATION NUMBER: PCT/US99/30095

; PRIOR FILING DATE: 1999-12-16
 ; PRIOR APPLICATION NUMBER: PCT/US99/30911

; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US99/30999

; PRIOR FILING DATE: 1999-12-20
 ; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05
 ; NUMBER OF SEQ ID NOS: 423

; SEQ ID NO 226
 ; LENGTH: 2403

; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-09-905-381A-226		Query Match	80.11%;	Score 2028.8;	DB 4;	Length 2403;
		Best Local Similarity	99.7%;	Pred. No. 0;		
		Matches 2033;	Conservative	0;	Mismatches	7;
				Indels	0;	Gaps
						0;
Qy	24	TCTCGAGCAGGCTGAGCAGCCTTATCAGTCACCATGTCCGACGCTTGATGCCGGCTCTC	83			
Db	363	TCTCTCCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTTGATGCCGGCTCTC	422			
Qy	84	GGCCTCGGTGTGTCTGTCTGCTGCTGCCGGGGCCCGCGGGCAGCGAGGAGCGCTCCC	143			
Db	423	GGCCTCGGTGTGTCTGTCTGCTGCTGCCGGGGCCCGCGGGCAGCGAGGAGCGCTCCC	482			
Qy	144	ATTGCTATCACATGTTTACACAGAGCTTGACATCAGGAAAGAGAGAGAGAGATGTCCTC	203			
Db	483	ATTGCTATCACATGTTTACACAGAGCTTGACATCAGGAAAGAGAGAGAGAGATGTCCTC	542			
Qy	204	TGCCCAGGGGGCTGCCCTCTTTGAGGAATTCCTGTGTGTATGGGAACATAGTATATGCTTCT	263			
Db	543	TGCCCAGGGGGCTGCCCTCTTTGAGGAATTCCTGTGTGTATGGGAACATAGTATATGCTTCT	602			
Qy	264	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTATATCAGCAACTCAGGGGGACCT	323			
Db	603	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTATATCAGCAACTCAGGGGGACCT	662			
Qy	324	GTACGAGTCTATAGCCTTACCTGCTCGAGAAACTATTCTCAGTAGATGCAATGGCATC	383			
Db	663	GTACGAGTCTATAGCCTTACCTGCTCGAGAAACTATTCTCAGTAGATGCAATGGCATC	722			
Qy	384	CAGTCTCAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAATTAAGGCAAAAGTAGT	443			
Db	723	CAGTCTCAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAATTAAGGCAAAAGTAGT	782			
Qy	444	ACACAGAGGCCACAGACAAGCAGTGTCCACAGCAGCATCCACACAGAGTAACGACTA	503			
Db	783	ACACAGAGGCCACAGACAAGCAGTGTCCACAGCAGCATCCACACAGAGTAACGACTA	842			
Qy	504	AGAAAACACCCGAGAGAAACTGGCAATTAAGATTGTAAGCAGACATTTGCATTTCTG	563			
Db	843	AGAAAACACCCGAGAGAAACTGGCAATTAAGATTGTAAGCAGACATTTGCATTTCTG	902			
Qy	564	ATTGATGGAAGCTTTTAATATTGGGCGAGCGCCGATTTAATTTACAGAAGAAATTTTGGGA	623			
Db	903	ATTGATGGAAGCTTTTAATATTGGGCGAGCGCCGATTTAATTTACAGAAGAAATTTTGGGA	962			
Qy	624	AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC	683			
Db	963	AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCTTGTTCAGGCC	1022			
Qy	684	AGTGAACATCCCAAAATAGATTTTACTTTGAAAACCTTTACATCAGCCAAAGATGTTTG	743			
Db	1023	AGTGAACATCCCAAAATAGATTTTACTTTGAAAACCTTTACATCAGCCAAAGATGTTTG	1082			
Qy	744	TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCAATACAGGAAAGCTTGAAG	803			
Db	1083	TTTGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCAATACAGGAAAGCTTGAAG	1142			
Qy	804	CATACCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAAAGTG	863			
Db	1143	CATACCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGATCCCAAAAGTG	1202			
Qy	864	GTGGTGGTATTTATGATGCTTGGGCTTCTGTGATGACATCGAGGAGCAGCATTTGGCC	923			
Db	1203	GTGGTGGTATTTATGATGCTTGGGCTTCTGTGATGACATCGAGGAGCAGCATTTGGCC	1262			
Qy	924	AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAAAGCTTATCCCTGAAGACTG	983			
Db	1263	AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCAAAGCTTATCCCTGAAGACTG	1322			
Qy	984	GGGATGTTTCAAGATGTCATTTGTTGACAAAGCTGTCTGTGCGGAATATATGCTTCTTC	1043			
Db	1323	GGGATGTTTCAAGATGTCATTTGTTGACAAAGCTGTCTGTGCGGAATATATGCTTCTTC	1382			

1044 TCCTACACATGCCCACTGGTTGGACCAACAAATACGTAAGCCTCTGGTACAGAAG 1103
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1104 CTGTGCACTCATGAACAAATGATGTGACGACACCTGTTATTAACCTCAGTGAACATTGCC 1163
1443 CTGTGCACTCATGAACAAATGATGTGACGACACCTGTTATTAACCTCAGTGAACATTGCC 1502
1164 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
1503 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
1224 GTTTCACCAATAGCAAGACCTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA 1283
1563 GTTTCACCAATAGCAAGACCTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA 1622
1284 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATAGCACCAAGAGAAT 1343
1623 CAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCACTGACTATAGCACCAAGAGAAT 1682
1344 GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGGTGGACAGCTACTGCTGATGCC 1403
1683 GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGGTGGACAGCTACTGCTGATGCC 1742
1404 ATTTCTTCTACTGTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1463
1743 ATTTCTTCTACTGTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1802
1464 CTAGTAATTGTCAGATGGGAGTCTCTATGATGATGTGTCAGGCGCTGAGCTGTGCA 1523
1803 CTAGTAATTGTCAGATGGGAGTCTCTATGATGATGTGTCAGGCGCTGAGCTGTGCA 1862
1524 CATGATCAGGAATCACTATCTCTCTGTTGGTGGCTTGGGACCTCTGGATGACCTG 1583
1863 CATGATCAGGAATCACTATCTCTCTGTTGGTGGCTTGGGACCTCTGGATGACCTG 1922
1584 AAGATATGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1643
1923 AAGATATGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1982
1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG 1703
1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTGAATCCCAG 2042
1704 CAATAATGGTAAACATTTTGAACCTGAAAGAAAGTACAAAGGATCCAGTGTGTAAT 1763
2043 CAATAATGGTAAACATTTTGAACCTGAAAGAAAGTACAAAGGATCCAGTGTGTAAT 2102
1764 TGTATTTCTCATATCTGAATGCTTTAGCATACTAGAAATCAGATACAAACCTATTAAAT 1823
2103 TGTATTTCTCATATCTGAATGCTTTAGCATACTAGAAATCAGATACAAACCTATTAAAT 2162
1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
2163 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2222
1884 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
1944 CAGGAAGAGGAGATAATGTGGATTAAACCTTAAAGAGTTCTAACCATGCTTACTAAATG 2003
2283 CAGGAAGAGGAGATAATGTGGATTAAACCTTAAAGAGTTCTAACCATGCTTACTAAATG 2342
2004 TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGTACTTTAGACCAAAAGCAACA 2063
2343 TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGTACTTTAGACCAAAAGCAACA 2402

RESULT 14

US-09-906-618-226

; Sequence 226, Application US/09906618

Patent No. 6828146
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Filvaroff, Ellen
APPLICANT: Fong, Sherman
APPLICANT: Gao, Wei-Qiang
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, A.
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/906,618
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2001-07-16
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo sapiens
US-09-906-618-226

Query Match 80.1%; Score 2028.8; DB 4; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy	24	TCTCGAGCAGTGTGAGCAGCCTATCAGTCAACCATGTCGCGAGCTCGATCCCGGCTCTC	83
Db	363	TCTCTCCAGGTGTGAGCAGCCTATCAGTCAACCATGTCGCGAGCTCGATCCCGGCTCTC	422
Qy	84	GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGCGGCGAGGAGCGCTCCC	143
Db	423	GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGCGGCGAGGAGCGCTCCC	482
Qy	144	ATTGCTATCAGTGTTTTACAGAGGCTTGGACATCAGGAAAGAGAGAGATGTCTC	203
Db	483	ATTGCTATCAGTGTTTTACAGAGGCTTGGACATCAGGAAAGAGAGAGATGTCTC	542
Qy	204	TGCCAGGGGCTCGCCTCTTGGGAATCTCTGCTATGGGAACATAGTATGCTTCT	263
Db	543	TGCCAGGGGCTCGCCTCTTGGGAATCTCTGCTATGGGAACATAGTATGCTTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTGCTGTCACAGGGGAGTAATCAGCAACTCAGGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTGCTGTCACAGGGGAGTAATCAGCAACTCAGGGGGACCT	662
Qy	324	GTACGAGCTATAGCTACTGTGTCGAGAAACTATTCTCAGTAGATGCCAATGGCATC	383
Db	663	GTACGAGCTATAGCTACTGTGTCGAGAAACTATTCTCAGTAGATGCCAATGGCATC	722
Qy	384	CAGTCTCAATGCTTCTAGATGCTGCTCTCTTCTTCAAGTAATCAAGGCAAAAGTAGT	443
Db	723	CAGTCTCAATGCTTCTAGATGCTGCTCTCTTCTTCAAGTAATCAAGGCAAAAGTAGT	782
Qy	444	ACACAGAGGCGCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	503
Db	783	ACACAGAGGCGCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	842
Qy	504	AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTCGATTTCTG	563
Db	843	AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTCGATTTCTG	902
Qy	564	ATTGATGGAAGCTTAAATATTTGGGAGCGCGGATTTAATTTACAGAAAGATTTTGGGA	623
Db	903	ATTGATGGAAGCTTAAATATTTGGGAGCGCGGATTTAATTTACAGAAAGATTTTGGGA	962
Qy	624	AAAGTGGCTTAATGTTGGGAATTTGGAACAGAGGACACATGTTGGGCTTGTTCAGGCC	683
Db	963	AAAGTGGCTTAATGTTGGGAATTTGGAACAGAGGACACATGTTGGGCTTGTTCAGGCC	1022
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTGAATAAATTTTACATCAGCCAAAGATTTTG	743
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTGAATAAATTTTACATCAGCCAAAGATTTTG	1082
Qy	744	TTTGCCATAAGGAAGTAGTTTCAGAGGGGTAATTTCCAAATCAGGAAAGCCTTGAAG	803
Db	1083	TTTGCCATAAGGAAGTAGTTTCAGAGGGGTAATTTCCAAATCAGGAAAGCCTTGAAG	1142
Qy	804	CATAGCTCTCAGAAATTTCTCAGGTAAGTCTGAGTAAGAAAGGATCCCAAGTG	863
Db	1143	CATAGCTCTCAGAAATTTCTCAGGTAAGTCTGAGTAAGAAAGGATCCCAAGTG	1202
Qy	864	GTGTTGTTATTTATTTGATGTTGGCTTCTGATGACATCGAGGAGCAGGATTTGGCC	923
Db	1203	GTGTTGTTATTTATTTGATGTTGGCTTCTGATGACATCGAGGAGCAGGATTTGGCC	1262
Qy	924	AGAGATTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGGCTATCCCTGAAGACTG	983
Db	1263	AGAGATTTGGTGTCAATGATTTATAGTTTCTGTGGCCAGGCTATCCCTGAAGACTG	1322
Qy	984	GGGATGTTCAAGATGTCAATTTTGTGACAGGCTGTCTGTGGAATATGGCTTCTC	1043
Db	1323	GGGATGTTCAAGATGTCAATTTTGTGACAGGCTGTCTGTGGAATATGGCTTCTC	1382
Qy	1044	TCTTACCACATGCCCAACTGGTTTGGCCACCAAAATACGTAAAGCCTCTGTTACAGAAG	1103

RESULT 15
US-09-579-288-3
; Sequence 3, Application US/09579288
; Patent No. 6730475
; GENERAL INFORMATION:

Db	1383	TCTTACCACATGCCCAACTGGTTTGGCCACCAAAATACGTAAAGCCTCTGTTACAGAAG	1442
Qy	1104	CTGTGCACTCATGAAACAAATGATGTGAGCAAGACCTGTTTATACTCAGTGAACATTGCC	1163
Db	1443	CTGTGCACTCATGAAACAAATGATGTGAGCAAGACCTGTTTATACTCAGTGAACATTGCC	1502
Qy	1164	TTTCTAATTCATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1223
Db	1503	TTTCTAATTCATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT	1562
Qy	1224	GTTCCTCAACATAGCAAGACTTTTGAATCTCGGACATTTGGTCCAAAGATAGCTGCTGA	1283
Db	1563	GTTCCTCAACATAGCAAGACTTTTGAATCTCGGACATTTGGTCCAAAGATAGCTGCTGA	1622
Qy	1284	CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATATAGCAACCAAGAGAT	1343
Db	1623	CAGTTTACTTATGATCAGCGCAGCGAGTTCAGTTTCACTGACTATATAGCAACCAAGAGAT	1682
Qy	1344	GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGGTGAATGCC	1403
Db	1683	GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGGTGAATGCC	1742
Qy	1404	ATTTCCTTCACTGTTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC	1463
Db	1743	ATTTCCTTCACTGTTAGAAATGTGTTGGCCCTATTAAGGGAGAGCCCAACAAAGAACTTC	1802
Qy	1464	CTAGTAATTTGTCAAGATGGGAGTCTATATGATGATGTCCAAAGCCCTCAGCTGCTGCA	1523
Db	1803	CTAGTAATTTGTCAAGATGGGAGTCTATATGATGATGTCCAAAGCCCTCAGCTGCTGCA	1862
Qy	1524	CATGATGCGAGAACTCACTATCTCTCTGTTGGTGTGCTTGGGCACTCTTGGATGACCTG	1583
Db	1863	CATGATGCGAGAACTCACTATCTCTCTGTTGGTGTGCTTGGGCACTCTTGGATGACCTG	1922
Qy	1584	AAAGATATGGCTTCTTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA	1643
Db	1923	AAAGATATGGCTTCTTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA	1982
Qy	1644	TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG	1703
Db	1983	TTAGAACCAATTTGTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG	2042
Qy	1704	CAATAATGTTAAACATTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGAAT	1763
Db	2043	CAATAATGTTAAACATTTTGACAACTGAAAGAAAGTACAAAGGGATCCAGTGTGAAT	2102
Qy	1764	TGTATTTCTCATATACTGAAATGCTTTTAGCATCTAGAATCAGATACAAACTATTAAAT	1823
Db	2103	TGTATTTCTCATATACTGAAATGCTTTTAGCATCTAGAATCAGATACAAACTATTAAAT	2162
Qy	1824	ATGTCACAGCCATTTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA	1883
Db	2163	ATGTCACAGCCATTTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA	2222
Qy	1884	TTTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATAATCATGGCTCTTAGAACT	1943
Db	2223	TTTTACAGTGTACTTTGTTTAAACACATGCTGAGGCTTCAATAATCATGGCTCTTAGAACT	2282
Qy	1944	CAGGAAAGGAGATTAATGTGGAATTAACCTTTAAGAGTTCCTAACCATGCTTACTTAAATG	2003
Db	2283	CAGGAAAGGAGATTAATGTGGAATTAACCTTTAAGAGTTCCTAACCATGCTTACTTAAATG	2342
Qy	2004	TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATATCTTAGACCAAAAGCAACA	2063
Db	2343	TACAGATATGCAAAATTCATAGCTCAATTAAGAAATCTGATATCTTAGACCAAAAGCAACA	2402

Db 723 CAGTCTCAAAATGCTTTCTAGATGCTGCTCTTTTTCACATTAATTAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACACAGACCAAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA 503
Db 783 ACACAGAGGCCACACAGACCAAGCAGTGTCCACAGCACATCCACCAACAGAGTAAACGACTA 842
Qy 504 AAGAAACACCCGAGAAAGAAACCTGGCAATAAAGATTGTAAGCAGACATGTCATTCTG 563
Db 843 AAGAAACACCCGAGAAAGAAACCTGGCAATAAAGATTGTAAGCAGACATGTCATTCTG 902
Qy 564 ATTGATGGAAGCTTTTAATATTGGCAGCGCGGATTTAAATTACAGAAGAAATTTGTTGGA 623
Db 903 ATTGATGGAAGCTTTTAATATTGGCAGCGCGGATTTAAATTACAGAAGAAATTTGTTGGA 962
Qy 624 AAGTGGCTCTAAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCCCTTGTTCAGGCC 683
Db 963 AAGTGGCTCTAAATGTTGGGAATTTGGAACAGAGGACCAATGTGGGCCCTTGTTCAGGCC 1022
Qy 684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAGAACTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAAGAACTTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAATTCGAATACAGGAAAGCCTTGAAG 803
Db 1083 TTTGCCATAAAGGAAGTAGTGTTCAGAGGGGGTAATTCGAATACAGGAAAGCCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTCACGGTAGATGCTGGAGTAAGAAAGGATCCCAAGTG 1202
Qy 864 GTGGTGATTTATTTAGTGTGGCTTCTGTATGACATCGAGNAGCAGGATGTGGCC 923
Db 1203 GTGGTGATTTATTTAGTGTGGCTTCTGTATGACATCGAGNAGCAGGATGTGGCC 1262
Qy 924 AGAGATTTGGTGTCAATGTATTTATATAGTTTCTGTGGCCAGCCTATCCCTCGAAGACTG 983
Db 1263 AGAGATTTGGTGTCAATGTATTTATATAGTTTCTGTGGCCAGCCTATCCCTCGAAGACTG 1322
Qy 984 GGGATGTTACAGATGTCACATTTGTTGACAGGCTGTGTGGAATAATGCTTCTTC 1043
Db 1323 GGGATGTTACAGATGTCACATTTGTTGACAGGCTGTGTGGAATAATGCTTCTTC 1382
Qy 1044 TCTTACACATGCCCACTGGTTGGCCACCAAAATACGTAAGCCTCTGTGTACAGAAG 1103
Db 1383 TCTTACACATGCCCACTGGTTGGCCACCAAAATACGTAAGCCTCTGTGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATTAATCACTCAGTGAACATTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATTAATCACTCAGTGAACATTGCC 1502
Qy 1164 TTTCTAATTTGATGGCTCAGAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCAGAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACATAGCCAGACTTTTGAATCTCGACATTTGTCGCAAGATGCTGCTGTA 1283
Db 1563 GTTTCACATAGCCAGACTTTTGAATCTCGACATTTGTCGCAAGATGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTTCATGCTATAGCACCAAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCACGGAGTTCAGTTTTCATGCTATAGCACCAAGAGAAAT 1682
Qy 1344 GTCCTAGTGTATCAGAAACATCGCTATATAGTGTGGACAGACTACTGTTGATGCC 1403
Db 1683 GTCCTAGTGTATCAGAAACATCGCTATATAGTGTGGACAGACTACTGTTGATGCC 1742
Qy 1404 ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTATAGGGAGAGCCCAACAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTTAGAAATGTTTGGCCCTATAGGGAGAGCCCAACAGAACTTC 1802
Qy 1464 CTAGTAATTTGACAGATGGGAGTCTTATGATGATGTCGAAGGCCCTCGAGCTGTGCA 1523

Db 1803 CTAGTAATTTGTCAAGATGGGAGTCTTATGATGATGTCCAAGGCCCTCGAGCTGCTGCA 1862
Qy 1524 CATGATGAGGAATCACTATCTTCTGTGTGTGTGGCTTGGGCACCTCTGGATGACCTG 1583
Db 1863 CATGATGAGGAATCACTATCTTCTGTGTGTGTGGCTTGGGCACCTCTGGATGACCTG 1922
Qy 1584 AAGATATGCTTCTTAAACCGAGAGTCTCATGCTTCTTCAAGAGAGTTCACAGA 1643
Db 1923 AAGATATGCTTCTTAAACCGAGAGTCTCATGCTTCTTCAAGAGAGTTCACAGA 1982
Qy 1644 TTAGAACCAATTTGTTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCA 1703
Db 1983 TTAGAACCAATTTGTTTCTGATGTCTCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCA 2042
Qy 1704 CAATATGTAATCTTTGACAACTGAAAGAAAGTACAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGTAATCTTTGACAACTGAAAGAAAGTACAAGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACTATTAACT 1823
Db 2103 TGTATTTCTCAATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACTATTAACT 2162
Qy 1824 ATGTCAACAGCCATTAGGCAATTAAGCACTCCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTAGGCAATTAAGCACTCCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTAAACCACTGCTGAGGCTTCATATCATGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTAAACCACTGCTGAGGCTTCATATCATGCTCTTAGAACT 2282
Qy 1944 CAGGAAAGAGGAGATTAATGTTGATTAATAAACCTTTAAGAGTTCCTAACCATGCTCTAAATG 2003
Db 2283 CAGGAAAGAGGAGATTAATGTTGATTAATAAACCTTTAAGAGTTCCTAACCATGCTCTAAATG 2342
Qy 2004 TACAGATATGCAAAATCCATAGCTCAATAAAGAAATCTGATATCTAGACCAAAAGCA 2063
Db 2343 TACAGATATGCAAAATCCATAGCTCAATAAAGAAATCTGATATCTAGACCAAAAGCA 2402

RESULT 3

US-09-905-291A-226
; Sequence 226, Application US/09905291A
; Patent No. US20020160374A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/905,291A

;; CURRENT FILING DATE: 2001-07-12
;; PRIOR APPLICATION NUMBER: PCT/US00/04414
;; PRIOR FILING DATE: 2000-02-22
;; PRIOR APPLICATION NUMBER: US 60/143,048
;; PRIOR FILING DATE: 1999-07-07
;; PRIOR APPLICATION NUMBER: US 60/145,698
;; PRIOR FILING DATE: 1999-07-26
;; PRIOR APPLICATION NUMBER: US 60/146,222
;; PRIOR FILING DATE: 1999-07-28
;; PRIOR APPLICATION NUMBER: PCT/US99/20594
;; PRIOR FILING DATE: 1999-09-08
;; PRIOR APPLICATION NUMBER: PCT/US99/20944
;; PRIOR FILING DATE: 1999-09-13
;; PRIOR APPLICATION NUMBER: PCT/US99/21090
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/21547
;; PRIOR FILING DATE: 1999-09-15
;; PRIOR APPLICATION NUMBER: PCT/US99/23089
;; PRIOR FILING DATE: 1999-10-05
;; PRIOR APPLICATION NUMBER: PCT/US99/28214
;; PRIOR FILING DATE: 1999-11-29
;; PRIOR APPLICATION NUMBER: PCT/US99/28313
;; PRIOR FILING DATE: 1999-11-30
;; PRIOR APPLICATION NUMBER: PCT/US99/28564
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/28565
;; PRIOR FILING DATE: 1999-12-02
;; PRIOR APPLICATION NUMBER: PCT/US99/30095
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: PCT/US99/30911
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US99/30999
;; PRIOR FILING DATE: 1999-12-20
;; PRIOR APPLICATION NUMBER: PCT/US00/00219
;; PRIOR FILING DATE: 2000-01-05
;; NUMBER OF SEQ ID NOS: 423
;; SEQ ID NO 226
;; LENGTH: 2403
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; US-09-905-291A-226

Query Match 80.1%; Score 2028.8; DB 9; Length 2403;

Best Local Similarity 99.7%; Pred. No. 0;

Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy	24	TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC	83
Db	363	TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC	422
Qy	84	GGCCTCGGTGTGTCTGCTGCTGCTGCGCGGGCCCGGCGGAGGAGCGGCTCCC	143
Db	423	GGCCTCGGTGTGTCTGCTGCTGCTGCGCGGGCCCGGCGGAGGAGCGGCTCCC	482
Qy	144	ATTGCTATCATATGTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC	203
Db	483	ATTGCTATCATATGTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC	542
Qy	204	TGCCAGGGGGCTGCCCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT	263
Db	543	TGCCAGGGGGCTGCCCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTGTCTCCAGGGGAGTATACAGCACTCAGGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTGTCTCCAGGGGAGTATACAGCACTCAGGGGGACCT	662
Qy	324	GTACGAGTCTATAGCCTTACCTGTGCGAGAAAATTAATTCCTCAGTAGATGCCATGCGCATC	383
Db	663	GTACGAGTCTATAGCCTTACCTGTGCGAGAAAATTAATTCCTCAGTAGATGCCATGCGCATC	722
Qy	384	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTTTCACAGTAACTAAAGCAAAAGTAGT	443
Db	723	CAGTCTCAAAATGCTTTCTAGATGGTCTGCTTTTTCACAGTAACTAAAGCAAAAGTAGT	782

Qy	444	ACACAGGAGGCCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	503
Db	783	ACACAGGAGGCCACAGGACAAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	842
Qy	504	AGAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTTGTCATTTCTG	563
Db	843	AGAAAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTTGTCATTTCTG	902
Qy	564	ATTGATGGAAGCTTTTAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGAAATTTGTGGA	623
Db	903	ATTGATGGAAGCTTTTAATATTGGGCAGCGCCGATTTAAATTTACAGAAAGAAATTTGTGGA	962
Qy	624	AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTCGGGCCCTTTGTTCAAGCC	683
Db	963	AAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTCGGGCCCTTTGTTCAAGCC	1022
Qy	684	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG	743
Db	1023	AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG	1082
Qy	744	TTTGCCATAAAGGAGTAGGTTTTCAGAGGGGGTAATTTCCAATACAGGAAAGCCTTGAAG	803
Db	1083	TTTGCCATAAAGGAGTAGGTTTTCAGAGGGGGTAATTTCCAATACAGGAAAGCCTTGAAG	1142
Qy	804	CATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAAGGATCCCAAGTG	863
Db	1143	CATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAAAGGATCCCAAGTG	1202
Qy	864	GTGGTGGTATTTATGATGGTTGGCCTTCTGATGACATCGAGGAAGCAGGCAATTTGGCC	923
Db	1203	GTGGTGGTATTTATGATGGTTGGCCTTCTGATGACATCGAGGAAGCAGGCAATTTGGCC	1262
Qy	924	AGAGAGTTTGGTGTCAATGTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAGAACTG	983
Db	1263	AGAGAGTTTGGTGTCAATGTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAGAACTG	1322
Qy	984	GGGATGGTTCAGGATGTCAATTTGTTGACAAAGCCTGTCTGCGGAATAATGCTTCTTTC	1043
Db	1323	GGGATGGTTCAGGATGTCAATTTGTTGACAAAGCCTGTCTGCGGAATAATGCTTCTTTC	1382
Qy	1044	TCTTACCAATGCCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTGTACAGAAG	1103
Db	1383	TCTTACCAATGCCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTGTACAGAAG	1442
Qy	1104	CTGTGCACTCATGAAACAAATGATGTCAGCAGAGACTGTTATTAATCTCAGTGAACATGCC	1163
Db	1443	CTGTGCACTCATGAAACAAATGATGTCAGCAGAGACTGTTATTAATCTCAGTGAACATGCC	1502
Qy	1164	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT	1223
Db	1503	TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT	1562
Qy	1224	GTMTCCAAATACGCAAGACTTTTGAATCTCGCAATTTGGTGGCCAAAGATAGCTGTGTA	1283
Db	1563	GTMTCCAAATACGCAAGACTTTTGAATCTCGCAATTTGGTGGCCAAAGATAGCTGTGTA	1622
Qy	1284	CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTTCACTGACTATAGCAACCAAGAGAAAT	1343
Db	1623	CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTTCACTGACTATAGCAACCAAGAGAAAT	1682
Qy	1344	GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTGATGCC	1403
Db	1683	GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGGTGATGCC	1742
Qy	1404	ATTTCCTTCACTTTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTTC	1463
Db	1743	ATTTCCTTCACTTTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTTC	1802
Qy	1464	CTAGTAAATTTGTACAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTCAGCTGCTGCA	1523
Db	1803	CTAGTAAATTTGTACAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTCAGCTGCTGCA	1862

QY 1524 CATGATCAGGAATCACTATCTCTCTGTTGGTGGCTTGGGCACTCTGGATGACCTG 1583
DB 1863 CATGATCAGGAATCACTATCTCTCTGTTGGTGGCTTGGGCACTCTGGATGACCTG 1922
QY 1584 AAGATATGCTTTTAAACCGAAGGAGTCTCATGCTTTTCTCAAGAGAGTTCACAGGA 1643
DB 1923 AAGATATGCTTTTAAACCGAAGGAGTCTCATGCTTTTCTCAAGAGAGTTCACAGGA 1982
QY 1644 TTGAACCAATTTGTTCTGATGATCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
DB 1983 TTGAACCAATTTGTTCTGATGATCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
QY 1704 CAATAATGGTAAACATTTTGAACAATGAAAGGAGTACAGGAGTCCAGTGTAAAT 1763
DB 2043 CAATAATGGTAAACATTTTGAACAATGAAAGGAGTACAGGAGTCCAGTGTAAAT 2102
QY 1764 TGTATTTCTATAATCTGTAATGCTTTTAGCATCTAGAAATCAGATACAAACTATTAAAT 1823
DB 2103 TGTATTTCTATAATCTGTAATGCTTTTAGCATCTAGAAATCAGATACAAACTATTAAAT 2162
QY 1824 ATGTCAACAGCATTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
DB 2163 ATGTCAACAGCATTAGGCAATTAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
QY 1884 TTTACAGTACTTTTGTAAACACACTGCTGAGGCTTCTATAATCATGGCTCTTTAGAACT 1943
DB 2223 TTTACAGTACTTTTGTAAACACACTGCTGAGGCTTCTATAATCATGGCTCTTTAGAACT 2282
QY 1944 CAGAAAGAGAGATAATGTGGATTAAACCTTTAAAGGTTCTTAACCATGCTCTACTAAATG 2003
DB 2283 CAGAAAGAGAGATAATGTGGATTAAACCTTTAAAGGTTCTTAACCATGCTCTACTAAATG 2342
QY 2004 TACAGATATCAATTTCCATAGCTCAATAAAGAACTGTACTTAGACCAAAAGCAACA 2063
DB 2343 TACAGATATCAATTTCCATAGCTCAATAAAGAACTGTACTTAGACCAAAAGCAACA 2402

RESULT 4

US-09-902-853-226
; Sequence 226, Application US/09902853
; Publication No. US20020192659A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/902,853
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US/09/665,350

; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-09-902-853-226

Query Match 80.1%; Score 2028.8; DB 9; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCGGCTCTC 83
DB 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCGGCTCTC 422
QY 84 GGCCTCGGTGTGTCTGTCTGCTGCTGCGGGGCGCGGGGCGAGGAGCGCGCTCCC 143
DB 423 GGCCTCGGTGTGTGTCTGTCTGCTGCTGCGGGGCGCGGGGCGAGGAGCGCGCTCCC 482
QY 144 ATTGCTATCAGATGTTTACACAGAGCTTTGGACATCAGGAAAGAGAAAGACAGATGCTTC 203
DB 483 ATTGCTATCAGATGTTTACACAGAGCTTTGGACATCAGGAAAGAGAAAGACAGATGCTTC 542
QY 204 TCCCGAGGGGCTGCGCTCTTTCAGGAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 263
DB 543 TCCCGAGGGGCTGCGCTCTTTCAGGAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 602
QY 264 GTATCGAGCATATGTGGGCTGCTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 323
DB 603 GTATCGAGCATATGTGGGCTGCTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 662
QY 324 GTACGAGTCTATAGCTACCTGCTCGAGAAACATATTCCTCAGTAGATGCCAATGGCATC 383
DB 663 GTACGAGTCTATAGCTACCTGCTCGAGAAACATATTCCTCAGTAGATGCCAATGGCATC 722
QY 384 CAGTCTCAAAATGCTTCTTAGATGCTCTCTTTCACAGTAACCTAAAGGCAAAAGTACT 443
DB 723 CAGTCTCAAAATGCTTCTTAGATGCTCTCTTTCACAGTAACCTAAAGGCAAAAGTACT 782
QY 444 ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTTAAACGACTA 503

Db 783 ACACAGAGGCCACAGCAGCAGAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842
Qy 504 AAGAAAACACCCGAGAGAAATCGGCAATAAAGATTGTAAAGCAGACATTTGCATTTCTG 563
Db 843 AAGAAAACACCCGAGAGAAATCGGCAATAAAGATTGTAAAGCAGACATTTGCATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTTACAGAAGAAATTTTGTGGA 623
Db 903 ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTTACAGAAGAAATTTTGTGGA 962
Qy 624 AAGTGGCTCTAATTTGGGAATTTGGAACAGAGAGCACCATGTGGCCCTTGTTCAGGCC 683
Db 963 AAGTGGCTCTAATTTGGGAATTTGGAACAGAGAGCACCATGTGGCCCTTGTTCAGGCC 1022
Qy 684 AGTGAACATCCCAAAATPAGAAATTTACTTCGAAAACTTTTACATCAGCCAAAGATGTTTTG 743
Db 1023 AGTGAACATCCCAAAATPAGAAATTTACTTGAAAACTTTTACATCAGCCAAAGATGTTTTG 1082
Qy 744 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGGTAATTTCCAATACAGGAAAGCCTTTGAAG 803
Db 1083 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGGTAATTTCCAATACAGGAAAGCCTTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGATTTTATGATGCTGGCCCTTCTGATGACATCCAGGAAGCAGGCATTTGGGCC 923
Db 1203 GTGGTGATTTTATGATGCTGGCCCTTCTGATGACATCCAGGAAGCAGGCATTTGGGCC 1262
Qy 924 AGAGAGTTTGGTGTCAATGTATTATATAGTTTCTGTGGCCCAAGCCTATCCCTGGAAGAACTG 983
Db 1263 AGAGAGTTTGGTGTCAATGTATTATATAGTTTCTGTGGCCCAAGCCTATCCCTGGAAGAACTG 1322
Qy 984 GGGATGTTTCCAGATGTCAATTTGTTGACAAGGCTGTCTGTGCGAATAATGCTTCTTC 1043
Db 1323 GGGATGTTTCCAGATGTCAATTTGTTGACAAGGCTGTCTGTGCGAATAATGCTTCTTC 1382
Qy 1044 TCTTACCACATGCCCACTGTTTGGCACCACCAAAATACGTAAAGCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCACTGTTTGGCACCACCAAAATACGTAAAGCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTATAACTCAGTGAACATTTGCC 1502
Qy 1164 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACACATAGCCAGACTTTTGAATCTCGACATTTGGTCCAGATAGCTGTGTA 1283
Db 1563 GTTTCACACATAGCCAGACTTTTGAATCTCGACATTTGGTCCAGATAGCTGTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTTCACTGACTATAGCAACCAAGAGAAT 1343
Db 1623 CAGTTTACTTATGATCAGCCAGGAGTTCAGTTTTCACTGACTATAGCAACCAAGAGAAT 1682
Qy 1344 GTCTAGCTGTATCAGAAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTAGGCC 1403
Db 1683 GTCTAGCTGTATCAGAAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTGTAGGCC 1742
Qy 1404 ATTTCTTCTACTGTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTAGAAATGTTTGGCCCTTATAGGGAGAGCCCAACAGAACTTC 1802
Qy 1464 CTAGTAATTTCTCAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1523
Db 1803 CTAGTAATTTCTCAGATGGGAGTCTTATGATGATGTCCAAGGCCCTGCAGCTGTGCA 1862
Qy 1524 CATGATGCAGGAATCACTATCTTCTCTGTGGTGTGGCCACCTCTGGATGACCTG 1583

Db 1863 CATGATGCAGGAATCACTATCTTCTCTGTGGTGTGGCCACCTCTGGATGACCTG 1922
Qy 1584 AAGATATGGCTTCTTAAACCGAAGGAGTCTCTAGCTTTTCTTCAAGAGAGTTTCAAGGA 1643
Db 1923 AAGATATGGCTTCTTAAACCGAAGGAGTCTCTAGCTTTTCTTCAAGAGAGTTTCAAGGA 1982
Qy 1644 TTAGAACCAATTTGTTTCTGATGTCTATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTTCTGATGTCTATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCAG 2042
Qy 1704 CAATATGTGTAACATTTTGCACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAAT 1763
Db 2043 CAATATGTGTAACATTTTGCACAACTGAAAGAAAAGTACAGGGGATCCAGTGTGTAAAT 2102
Qy 1764 TGTATTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACCTATTAAAGT 1823
Db 2103 TGTATTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACCTATTAAAGT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAATAAAGCACTCTTTTAAAGCCGCTGCTTGGTTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATAAAGCACTCTTTTAAAGCCGCTGCTTGGTTTACAA 2222
Qy 1884 TTTACAGTGTACTTTTGTAAACACCTGCTGAGGCTTTCATATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTTGTAAACACCTGCTGAGGCTTTCATATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAGAGGAGATTAATGTGATTAACACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2003
Db 2283 CAGGAAGAGGAGATTAATGTGATTAACACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATATAAAGAAATCTGATCTTATAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATATAAAGAAATCTGATCTTATAGACCAAAAGCAACA 2402

RESULT 5

US-09-907-824-226

; Sequence 226, Application US/09907824

; Publication No. US20020197671A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Hillan, Kenneth, J.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Mather, Jennie P.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William, I.

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: 10466-14

; CURRENT APPLICATION NUMBER: US/09/907,824

; PRIOR FILING DATE: 2001-07-17

; PRIOR APPLICATION NUMBER: 09/665,350

; PRIOR FILING DATE: 2000-09-18

; PRIOR APPLICATION NUMBER: PCT/US00/04414

; PRIOR FILING DATE: 2000-02-22									
; PRIOR APPLICATION NUMBER: US 60/143,048									
; PRIOR FILING DATE: 1999-07-07									
; PRIOR APPLICATION NUMBER: US 60/145,698									
; PRIOR FILING DATE: 1999-07-26									
; PRIOR APPLICATION NUMBER: US 60/146,222									
; PRIOR FILING DATE: 1999-07-28									
; PRIOR APPLICATION NUMBER: PCT/US99/20594									
; PRIOR FILING DATE: 1999-09-08									
; PRIOR APPLICATION NUMBER: PCT/US99/20944									
; PRIOR FILING DATE: 1999-09-13									
; PRIOR APPLICATION NUMBER: PCT/US99/21090									
; PRIOR FILING DATE: 1999-09-15									
; PRIOR APPLICATION NUMBER: PCT/US99/21547									
; PRIOR FILING DATE: 1999-09-15									
; PRIOR APPLICATION NUMBER: PCT/US99/23089									
; PRIOR FILING DATE: 1999-10-05									
; PRIOR APPLICATION NUMBER: PCT/US99/28214									
; PRIOR FILING DATE: 1999-11-29									
; PRIOR APPLICATION NUMBER: PCT/US99/28313									
; PRIOR FILING DATE: 1999-11-30									
; PRIOR APPLICATION NUMBER: PCT/US99/28564									
; PRIOR FILING DATE: 1999-12-02									
; PRIOR APPLICATION NUMBER: PCT/US99/28565									
; PRIOR FILING DATE: 1999-12-02									
; PRIOR APPLICATION NUMBER: PCT/US99/30095									
; PRIOR FILING DATE: 1999-12-16									
; PRIOR APPLICATION NUMBER: PCT/US99/30911									
; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US99/30999									
; PRIOR FILING DATE: 1999-12-20									
; PRIOR APPLICATION NUMBER: PCT/US00/00219									
; PRIOR FILING DATE: 2000-01-05									
; NUMBER OF SEQ ID NOS: 423									
; SEQ ID NO 226									
; LENGTH: 2403									
; TYPE: DNA									
; ORGANISM: Homo Sapien									
US-09-907-824-226									
Query Match 80.1%; Score 2028.8; DB 9; Length 2403;									
Best Local Similarity 99.7%; Pred. No. 0;									
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;									
Qy	24	TCTCGACAGGTGTGACGAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	83						
Db	363	TCTCTCCAGGTGTGACGAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	422						
Qy	84	GGCTCGGTGTGTCTGTCTGCTGCTCGCGGGCCGCGGGCAGCGAGGAGCGCTCCC	143						
Db	423	GGCTCGGTGTGTGTCTGTCTGCTGCTCGCGGGCCGCGGGCAGCGAGGAGCGCTCCC	482						
Qy	144	ATTGCTATCATGTTTTACGAGGCTTGGACATCAGAAAGAGAAAGCAGATGCTCTC	203						
Db	483	ATTGCTATCATGTTTTACGAGGCTTGGACATCAGAAAGAGAAAGCAGATGCTCTC	542						
Qy	204	TGCCAGGGGCTCCCTCTTGAGAAATCTCTGTGTATGGACATAGTATGCTTCT	263						
Db	543	TGCCAGGGGCTCCCTCTTGAGAAATCTCTGTGTATGGACATAGTATGCTTCT	602						
Qy	264	GTATCGAGCATATGTGGGGTGTCTCCAGGGGAGTATCAGCACTCAGGGGACCT	323						
Db	603	GTATCGAGCATATGTGGGGTGTCTCCAGGGGAGTATCAGCACTCAGGGGACCT	662						
Qy	324	GTACGAGTCTATAGCCTACCTGTGCGAGAAATCTCTCAGTAGATCCAATGGCATC	383						
Db	663	GTACGAGTCTATAGCCTACCTGTGCGAGAAATCTCTCAGTAGATCCAATGGCATC	722						
Qy	384	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCAGTACTAAGGCAAAAGTAGT	443						
Db	723	CAGTCTCAATGCTTTCTAGATGCTGCTTCTTTCAGTACTAAGGCAAAAGTAGT	782						
Qy	444	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	503						

Db	783	ACACAGGAGGCCACAGGACAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA	842						
Qy	504	AAGAAAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTG	563						
Db	843	AAGAAAAACACCCGAGAGAAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTG	902						
Qy	564	ATTGATGGAAGCTTTTAATATTGGGAGCGCGGATTTAATTTTACAGAAATTTTGTGGA	623						
Db	903	ATTGATGGAAGCTTTTAATATTGGGAGCGCGGATTTAATTTTACAGAAATTTTGTGGA	962						
Qy	624	AAAGTGGCTCTAATGTTGGAAATTCGAACAGAGGACACATGTGGGCTTTGTTCAAGCC	683						
Db	963	AAAGTGGCTCTAATGTTGGAAATTCGAACAGAGGACACATGTGGGCTTTGTTCAAGCC	1022						
Qy	684	AGTGAACATCCCAAAATAGAATTTTACTTGAATAAATTTTACATCAGCCAAAGATGTTG	743						
Db	1023	AGTGAACATCCCAAAATAGAATTTTACTTGAATAAATTTTACATCAGCCAAAGATGTTG	1082						
Qy	744	TTTGCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCAAATACAGGAAAGCCTTGAG	803						
Db	1083	TTTGCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCAAATACAGGAAAGCCTTGAG	1142						
Qy	804	CATACTGCTCAGAAATTTCTTACGCTAGATGCTGAGTAAGAAAAAGGATCCCAAGTG	863						
Db	1143	CATACTGCTCAGAAATTTCTTACGCTAGATGCTGAGTAAGAAAAAGGATCCCAAGTG	1202						
Qy	864	GTGGTGGTATTTATGATGGTGGCTTCTGATGATCATCGAGGAAGAGGATTTGGCC	923						
Db	1203	GTGGTGGTATTTATGATGGTGGCTTCTGATGATCATCGAGGAAGAGGATTTGGCC	1262						
Qy	924	AGAGAGTTTGGTCAATGTAATTTATAGTTTCTGTGGCCAGCCCTATCCCTGAAGACTG	983						
Db	1263	AGAGAGTTTGGTCAATGTAATTTATAGTTTCTGTGGCCAGCCCTATCCCTGAAGACTG	1322						
Qy	984	GGGATGGTTTCAGGATGTCAATTTCTTGACAAGGCTGTCTGCGAAATAATGGCTTCTTC	1043						
Db	1323	GGGATGGTTTCAGGATGTCAATTTCTTGACAAGGCTGTCTGCGAAATAATGGCTTCTTC	1382						
Qy	1044	TCTTACCATGCCCCAACTGGTTTGGCACACAAAATAGTAAAGCCTTGCTACAGAG	1103						
Db	1383	TCTTACCATGCCCCAACTGGTTTGGCACACAAAATAGTAAAGCCTTGCTACAGAG	1442						
Qy	1104	CTGTGCACTCATGAACAAATGATGTGACAGACACTGTATACTCAGTGAACATTGCC	1163						
Db	1443	CTGTGCACTCATGAACAAATGATGTGACAGACACTGTATACTCAGTGAACATTGCC	1502						
Qy	1164	TTTCTAAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTTGAATTT	1223						
Db	1503	TTTCTAAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGTTGAATTT	1562						
Qy	1224	GTTCACACATAGCCAAAGCTTTTGAATCTCGACATTTGGTCCCAAGATAGTCTGTGA	1283						
Db	1563	GTTCACACATAGCCAAAGCTTTTGAATCTCGACATTTGGTCCCAAGATAGTCTGTGA	1622						
Qy	1284	CAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT	1343						
Db	1623	CAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTCACTGACTATAGCACCAAGAGAT	1682						
Qy	1344	GTCTAGTGTGTATCAGAAACATCCGCTATATGATGTTGGTGGAAAGCTACTGTTGATGCC	1403						
Db	1683	GTCTAGTGTGTATCAGAAACATCCGCTATATGATGTTGGTGGAAAGCTACTGTTGATGCC	1742						
Qy	1404	ATTTCTTCTCAGTGTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC	1463						
Db	1743	ATTTCTTCTCAGTGTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC	1802						
Qy	1464	CTAGTAATTTGTACAGATGGGAGCTCTATGATGATGTCCAAAGGGCCTCAGCTGTGCA	1523						
Db	1803	CTAGTAATTTGTACAGATGGGAGCTCTATGATGATGTCCAAAGGGCCTCAGCTGTGCA	1862						
Qy	1524	CATGATGCAAGGAATCATATCTTCTGTGTGTGGCTTGGGACCTCTGGATGACCTC	1583						

Db 1863 CATGATGAGGAATCACTACTCTCTGTTGGTGGCTTGGGCACTCTGGATGACCTG 1922
Qy 1584 AAAGATATGGCTTCTAAACCGAAGAGTCTCATCTCTTCTTCAAGAGAGTTCACAGGA 1643
Db 1923 AAAGATATGGCTTCTAAACCGAAGAGTCTCATCTCTTCTTCAAGAGAGTTCACAGGA 1982
Qy 1644 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATAAGTGAACATTTTGAACAATGAAAGAAAGTACAGGGATCCAGTGTGAAT 1763
Db 2043 CAATAAGTGAACATTTTGAACAATGAAAGAAAGTACAGGGATCCAGTGTGAAT 2102
Qy 1764 TGTATTTCTCAATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAATATTAAGT 1823
Db 2103 TGTATTTCTCAATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAATATTAAGT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAATAAGCATCTCTTTAAAGCGCTGCTCTGTGTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATAAGCATCTCTTTAAAGCGCTGCTCTGTGTACAA 2222
Qy 1884 TTTACAGTACTTTTGTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTACTTTTGTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAGAGGAGATAATGTGATTAACACCTTAAGAGTCTTAACATGCTTACTTAATG 2003
Db 2283 CAGGAAGAGGAGATAATGTGATTAACACCTTAAGAGTCTTAACATGCTTACTTAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 6

US-09-907-841-226
; Sequence 226, Application US/09907841
; Publication No. US20020198366A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,841
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048

; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-907-841-226

Query Match 80.1%; Score 2028.8; DB 9; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCGACGCTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCGACGCTGGATCCCGGCTCTC 422
Qy 84 GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGAGGAGGAGCGGCTCCC 143
Db 423 GGCCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGGGAGGAGGAGCGGCTCCC 482
Qy 144 ATTGCTATCATCATGTTTACACAGAGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 203
Db 483 ATTGCTATCATCATGTTTACACAGAGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 542
Qy 204 TGCCCAAGGGGCTGCGCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 543 TGCCCAAGGGGCTGCGCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGCTGCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGAGCCT 323
Db 603 GTATCGAGCATATGTGGGCTGCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGAGCCT 662
Qy 324 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACTATTCTCTCAGTAGATGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTTACCTGCTCGAGAAACTATTCTCTCAGTAGATGCAATGGCATC 722
Qy 384 CAGTCTCAAATGCTTTCTAGATGCTGCTTTTCAAGTAACTAAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAAATGCTTTCTAGATGCTGCTTTTCAAGTAACTAAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGGCAAGCAGTGTCCACAGCAGCATCCACCAACAGGTAACGACTA 503
Db 783 ACACAGAGGCCACAGGCAAGCAGTGTCCACAGCAGCATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAAACCCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTTGATTTCTG 563
Db 843 AAGAAAACCCCGAGAGAAACTGGCAATAAAGATTGTAAGCAGACATTTGATTTCTG 902
Qy 564 ATTGATGGAAGCTTTTAATATTGGGCGCGCGGATTTAAATTTACAGAAGAAATTTGTTGGA 623
Db 903 ATTGATGGAAGCTTTTAATATTGGGCGCGCGGATTTAAATTTTACAGAAGAAATTTGTTGGA 962
Qy 624 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTTGGGCTTTGTTCAAGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGTTGGGCTTTGTTCAAGCC 1022

QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTGG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTGG 1082
QY 744 TTTGGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCCAAATACAGCAAAAGCCTTGAAG 803
Db 1083 TTTGGCCATAAGGAAGTAGGTTTTCAGAGGGGGTAATTTCCAAATACAGCAAAAGCCTTGAAG 1142
QY 804 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTCAAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202
QY 864 GTGGTGGTATTTATGTAGTGGTGGCTTCTGTATGATGACATCGAGGAAGCAGGATTTGGCC 923
Db 1203 GTGGTGGTATTTATGTAGTGGTGGCTTCTGTATGATGACATCGAGGAAGCAGGATTTGGCC 1262
QY 924 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983
Db 1263 AGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 1322
QY 984 GGGATGGTTCAGGATGTCAATTTGTTGCAAGGCTGTGTGCGAATAATGCTTCTTC 1043
Db 1323 GGGATGGTTCAGGATGTCAATTTGTTGCAAGGCTGTGTGCGAATAATGCTTCTTC 1382
QY 1044 TCTTACCACATGCCCAACTGGTTTGGCACCACCAAAATACGTAAGGCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCAACTGGTTTGGCACCACCAAAATACGTAAGGCTCTGGTACAGAAG 1442
QY 1104 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTTATACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTTATACTCAGTGAACATTTGCC 1502
QY 1164 TTTCTAATTTGATGGCTCAGCAGTGTGAGATAGCAATTTCCGCTCATGCTTGAAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCAGCAGTGTGAGATAGCAATTTCCGCTCATGCTTGAAATTT 1562
QY 1224 GTTTCACACATAGCCAGACTTTTGAATCTCGACACTTGGTGCAGATAGCTGCTGTA 1283
Db 1563 GTTTCACACATAGCCAGACTTTTGAATCTCGACACTTGGTGCAGATAGCTGCTGTA 1622
QY 1284 CAGTTTACTTATGATCAGCGCACGAGTTCAGTTTCTACTGACTATAGCACCAGAGAAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCACGAGTTCAGTTTCTACTGACTATAGCACCAGAGAAAT 1682
QY 1344 GTCTAGCTGTCATCAGAAACATCCGCTATATGAGTGTGGAACAGTACTGTGATGCC 1403
Db 1683 GTCTAGCTGTCATCAGAAACATCCGCTATATGAGTGTGGAACAGTACTGTGATGCC 1742
QY 1404 ATTTCTCTTCACTGTTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAACAGAACTTC 1802
QY 1464 CTAGTAATTTGTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGAGCTGTGCA 1523
Db 1803 CTAGTAATTTGTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGAGCTGTGCA 1862
QY 1524 CATGATGAGGAATCACTATCTCTCTGTGGTGGCTTGGGCACTCTGGATGACTG 1583
Db 1863 CATGATGAGGAATCACTATCTCTCTGTGGTGGCTTGGGCACTCTGGATGACTG 1922
QY 1584 AAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1643
Db 1923 AAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1982
QY 1644 TTAGAACCAATTTGTTCTGTATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGTATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
QY 1704 CAATTAATGGTAACATTTTGAACACTGAAAGAAAGTACAGGGGATCCAGTGTGAAT 1763
Db 2043 CAATTAATGGTAACATTTTGAACACTGAAAGAAAGTACAGGGGATCCAGTGTGAAT 2102
QY 1764 TGTATTTCTCATTAATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAAACTTAAGT 1823

Db 2103 TGTATTTCTATAATCTAGTAATGCTTTAGCATCTAGATCAGATACAAAATCTATTAACT 2162
QY 1824 ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTCTTTTAAAGCCGCTGCTTCTGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTCTTTTAAAGCCGCTGCTTCTGTTACAA 2222
QY 1884 TTTACAGTGTACTTTGTTTAAACACACCTGCTGAGGCTTCATAATCATGCTCTTAGAAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACACCTGCTGAGGCTTCATAATCATGCTCTTAGAAACT 2282
QY 1944 CAGGAAACAGAGAGATAATGTGGATTAAACCTTAAAGAGTTCCTAACCATGCTCTACTAAATG 2003
Db 2283 CAGGAAACAGAGAGATAATGTGGATTAAACCTTAAAGAGTTCCTAACCATGCTCTACTAAATG 2342
QY 2004 TACAGATATGCAAAATTCATAGCTCATATAAGAAATCTGATACTTAGACCCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCATATAAGAAATCTGATACTTAGACCCAAAAGCAACA 2402

RESULT 7

US-09-904-011-226
; Sequence 226, Application US/09904011
; Publication No. US20030003530A1

GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,011
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo Sapien
US-09-394-011-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCAACATGTCGACGCTGGATGCCGGCTCTC 83
DB TCTCTCCAGGTGTGAGCAGCCTATCAGTCAACATGTCGACGCTGGATGCCGGCTCTC 422

QY 84 GGCCTCGGTGTGTCTGCTGCTGCGGGGCCCGGGGCGGAGCGGCGCTCC 143
DB GGCCTCGGTGTGTCTGCTGCTGCGGGGCCCGGGGCGGAGCGGCGCTCC 482

QY 144 ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCTC 203
DB ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTCTC 542

QY 204 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGCGGAACATAGTATGCTTCT 263
DB TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGCGGAACATAGTATGCTTCT 602

QY 264 GTATCGAGCATATGTGGGGCTGTGTCCAGGGGAGTATCAGCACTCAGGGGACCT 323
DB GTATCGAGCATATGTGGGGCTGTGTCCAGGGGAGTATCAGCACTCAGGGGACCT 662

QY 324 GTACGAGTCTATAGCCTACCTGGTTCGAGAAAACCTATTCTCAGTATGATGCAATGGCATC 383
DB GTACGAGTCTATAGCCTACCTGGTTCGAGAAAACCTATTCTCAGTATGATGCAATGGCATC 722

QY 384 CAGTCTCAAAATGCTTTCTAGATGCTGTCTTTTCAAGTAACTAAAGSCAAAGTAGT 443
DB CAGTCTCAAAATGCTTTCTAGATGCTGTCTTTTCAAGTAACTAAAGSCAAAGTAGT 782

QY 444 ACACAGAGGCCACAGAGCAAGCATGTGTCCAGAGCATCCACCAACAGAGTAAACGACTA 503
DB ACACAGAGGCCACAGAGCAAGCATGTGTCCAGAGCATCCACCAACAGAGTAAACGACTA 842

QY 504 AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 563
DB AAGAAACACCCGAGAGAAACCTGGCAATAAAGATTGTAAGCAGACATGTCATTTCTG 902

QY 564 ATTGATGGAAGCTTTAATATTGGGCGCGCGATTTAAATTTACAGAGAAATTTTGTGGA 623
DB ATTGATGGAAGCTTTAATATTGGGCGCGCGATTTAAATTTACAGAGAAATTTTGTGGA 962

QY 624 AAGTGGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGTGGGCTTTGTCAAGCC 683
DB AAGTGGCTCTAATGTTGGAAATGGAAACAGAGGACCAATGTGGGCTTTGTCAAGCC 1022

QY 684 AGTGAACATCCCAAAATAGAAATTTTACTTGA AAAA ACTTTACATCAGCCAAAGATGTTTG 743
DB AGTGAACATCCCAAAATAGAAATTTTACTTGA AAAA CTTTACATCAGCCAAAGATGTTTG 1082

QY 744 TTTGCCATAAAGGAAGTAGTTTTCAGAGGGGTAAATTCNAATACAGAAAGCCTTGAAG 803
DB TTTGCCATAAAGGAAGTAGTTTTCAGAGGGGTAAATTTCCAATACAGAAAGCCTTGAAG 1142

QY 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGAGT 863
DB CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAGAAGAAAGGGATCCCAAGAGT 1202

QY 864 GTGGTGTATTTATTCATGTTGGCCTTCTGATGACATCGAGGAAGCAGSCATTTGGGCC 923
DB GTGGTGTATTTATTCATGTTGGCCTTCTGATGACATCGAGGAAGCAGSCATTTGGGCC 1262

QY 924 AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCNAGCCTATCCCTGAAGACTG 983
DB AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCNAGCCTATCCCTGAAGACTG 1322

QY 984 GGGATGTTTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTGCGAATTAATGCTTCTTC 1043
DB GGGATGTTTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTGCGAATTAATGCTTCTTC 1382

QY 1044 TCTTACCACATGCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTGTACAGAAG 1103
DB TCTTACCACATGCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTGTACAGAAG 1442

QY 1104 CTGTGCACTCATGAACAAATGATGTGCGAGAGACCTGTTATTAACCTCAGTGAACATGTC 1163
DB CTGTGCACTCATGAACAAATGATGTGCGAGAGACCTGTTATTAACCTCAGTGAACATGTC 1502

QY 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB TTTCTAATTTGATGGCTCCAGCAGTGTGTGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562

QY 1224 GTTTCACACATAGCCAAAGACTTTTGAATCTCGCAATTTGGTGCCAAAGATAGCTGTGA 1283
DB GTTTCACACATAGCCAAAGACTTTTGAATCTCGCAATTTGGTGCCAAAGATAGCTGTGA 1622

QY 1284 CAGTTTATTTATGATCAGCGCAGGAGTTTCAGTTTCACTGATATATAGCAACAAAGAGAT 1343
DB CAGTTTATTTATGATCAGCGCAGGAGTTTCAGTTTCACTGATATATAGCAACAAAGAGAT 1682

QY 1344 GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGTGGAGACACTCTGCTGATGCC 1403
DB GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGTGGAGACACTCTGCTGATGCC 1742

QY 1404 ATTTCTTCACTGTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1463
DB ATTTCTTCACTGTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAACAAAGAACTTC 1802

QY 1464 CTAGTAATTTGTCAAGATGGGCGAGTCTTATGATGATGTCCAGGGCCCTGAGCTGTGCA 1523
DB CTAGTAATTTGTCAAGATGGGCGAGTCTTATGATGATGTCCAGGGCCCTGAGCTGTGCA 1862

QY 1524 CATGATGAGGAATCACTATCTCTGTGTGGTGTGGCTGTGGCACTCTGGAAGACTG 1583
DB CATGATGAGGAATCACTATCTCTGTGTGGTGTGGCTGTGGCACTCTGGAAGACTG 1922

QY 1584 AAGATATATGGCTTTTAAACCGAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1643
DB AAGATATATGGCTTTTAAACCGAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1982

QY 1644 TTAGAACCAATTTTCTGATGTTCATCAGAGGCAATTTGAGAGATTTCTTAGAATCCCAG 1703
DB TTAGAACCAATTTTCTGATGTTCATCAGAGGCAATTTGAGAGATTTCTTAGAATCCCAG 2042

QY 1704 CAATATGTGTAACTTTTGCACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 1763
DB CAATATGTGTAACTTTTGCACAACTGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 2102

QY 1764 TGTATTTCTCATATACTGAAATGCTTTTAGCATACTAGAAATCAGATACAAAACTATTAAAGT 1823

Db	2103	TGTAATCTCATATACTGAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAACT	2162
Qy	1824	ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA	1883
Db	2163	ATGTCAACAGCCATTTAGGCAAAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA	2222
Qy	1884	TTTACAGTGACCTTTGTTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT	1943
Db	2223	TTTACAGTGACCTTTGTTAAACACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT	2282
Qy	1944	CAGAAAGAGAGATATGTGGATTAAACCTTTAAAGATTTCTAACCATGCTCTACTAAATG	2003
Db	2283	CAGAAAGAGAGATATGTGGATTAAACCTTTAAAGATTTCTAACCATGCTCTACTAAATG	2342
Qy	2004	TACAGATATGCAAAATTCATAGCTCAATAAAAGAACTCTGATATCTTAGACCAAAAGCAACA	2063
Db	2343	TACAGATATGCAAAATTCATAGCTCAATAAAAGAACTCTGATATCTTAGACCAAAAGCAACA	2402

RESULT 8

US-09-903-640-226
; Sequence 226, Application US/09903640
; Publication No. US20030017463A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottsen, Mary E.
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/903,640
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/665,350
; PRIOR FILING DATE: 2000-09-18
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-09-903-640-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy	24	TCTCGACAGGTGTGACAGCAGCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	83
Db	363	TCTCTCCAGGTGTGACAGCAGCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC	422
Qy	84	GGCCTCGTGTGTCTGCTGCTGCTGCCGGGGCCCGGGCAGCGAGCGGCTGCC	143

Db 423 GGCCTCGGTGTGTCTGCTGCTGCCGGGGCCCGGGGAGCGCTCCC 482
Qy 144 ATTGCTATCATGTTTTTACACAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTTC 203
Db 483 ATTGCTATCATGTTTTTACACAGGCTTGGACATCAGGAAAGAGAAAGCAGATGCTTC 542
Qy 204 TGCCGAGGGGCTCCCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 263
Db 543 TGCCGAGGGGCTCCCTCTTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAACTCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAACTCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCCCTACCTGTCGAGAAACCTATTCTCAGTAGATGCCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCCTACCTGTCGAGAAACCTATTCTCAGTAGATGCCAATGGCATC 722
Qy 384 CAGTCTCAAAATGCTTTAGATGGTCTGCTTCTTTCAGTAACTAAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTAGATGGTCTGCTTCTTTCAGTAACTAAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGGACAAAGAGTGTCCACAGCACATCCACAAACAGGTAAACGACTA 503
Db 783 ACACAGAGGCCACAGGACAAAGAGTGTCCACAGCACATCCACAAACAGGTAAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAATCTGGCAATAAGATTGTAAGACAGACATGTCATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAATCTGGCAATAAGATTGTAAGACAGACATGTCATTTCTG 902
Qy 564 ATTGATGGAGCTTTAATATTGGGACGCCGCGAATTTAATTACAGAGAAATTTGTGGA 623
Db 903 ATTGATGGAGCTTTAATATTGGGACGCCGCGAATTTAATTACAGAGAAATTTGTGGA 962
Qy 624 AAAGTGCTCTAATTTGGGAAATGGAAACAGAGGACCACTGTGGGCCCTTTGTTCAAGCC 683
Db 963 AAAGTGCTCTAATTTGGGAAATGGAAACAGAGGACCACTGTGGGCCCTTTGTTCAAGCC 1022
Qy 684 AGTGAAACATCCCAAAATAGAAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAAACATCCCAAAATAGAAATTTTACTTGAAAACTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTGTCATTAAGAGTAGTGTTCAGAGGGGTAAATTCGAATACAGGAAAGCCTTTGAAG 803
Db 1083 TTGTCATTAAGAGTAGTGTTCAGAGGGGTAAATTCGAATACAGGAAAGCCTTTGAAG 1142
Qy 804 CATACTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATCTTTCAGGTAGATGCTGGAGTAAAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGATTTATGATGTTGGCCTTCTGATGACATCAGGAAGCAGGCATTTGGCC 923
Db 1203 GTGGTGATTTATGATGTTGGCCTTCTGATGACATCAGGAAGCAGGCATTTGGCC 1262
Qy 924 AGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAAGACTG 983
Db 1263 AGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGGCTATCCCTGAAGACTG 1322
Qy 984 GGGATGGTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTCCGGAATATGCTTCTTC 1043
Db 1323 GGGATGGTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTCCGGAATATGCTTCTTC 1382
Qy 1044 TCTTACCATGCCCCAATCTGGTTGGCACCAAAAATAGCTAAAGCCTCTGGTACAGAAG 1103
Db 1383 TCTTACCATGCCCCAATCTGGTTGGCACCAAAAATAGCTAAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGACAAATGATGTCGACGACGACCTGTTATACCTCAGTGAACATGGC 1163
Db 1443 CTGTGCACTCATGACAAATGATGTCGACGACGACCTGTTATACCTCAGTGAACATGGC 1502
Qy 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223

Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCCAAATAGCCAAAGACTTTTGAATCTCGAATCTCGAATTTGGTGCCTAAGATAGTCTGTGA 1283
Db 1563 GTTTCCAAATAGCCAAAGACTTTTGAATCTCGAATCTCGAATTTGGTGCCTAAGATAGTCTGTGA 1622
Qy 1284 CAGTTCATCTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGACCAAGAGAAT 1343
Db 1623 CAGTTCATCTATGATCAGCGCAGGAGTTTCAGTTTCACTGACTATAGACCAAGAGAAT 1682
Qy 1344 GTTCCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1403
Db 1683 GTTCCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGGAAACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCTCTTCACTGTTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTTAGAAATGTGTTGGCCCTATAAGGGAGAGCCCAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCCAGATGGGAGTCTTATGATGATGTTCCAAAGGCCCTCGAGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCCAGATGGGAGTCTTATGATGATGTTCCAAAGGCCCTCGAGCTGCTGCA 1862
Qy 1524 CATGATGCAAGGAATCACTATCTTCTGTGTGGTGTGGCTTTGGGCACTCTCTGGATGACCTG 1583
Db 1863 CATGATGCAAGGAATCACTATCTTCTGTGTGGTGTGGCTTTGGGCACTCTCTGGATGACCTG 1922
Qy 1584 AAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1643
Db 1923 AAGATATGGCTTTTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGCATTGTTAGAGATTTCTTAGAATCCCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGCATTGTTAGAGATTTCTTAGAATCCCCAG 2042
Qy 1704 CAATAATGTTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGTTAACTTTTGACAACTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCAATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 1823
Db 2103 TGTATTTCTCAATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 2162
Qy 1824 ATGTCAACAGCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTGTTTACAA 1883
Db 2163 ATGTCAACAGCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTGTTTACAA 2222
Qy 1884 TTTACAGTGTACTTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTTAAAAACACTGCTGAGGCTTCAATATCATGGCTCTTTAGAACT 2282
Qy 1944 CAGGAAAGAGGAGATAATGTGGATTAAACCTTTAAGATTCTAACCATGCTTACTAAATG 2003
Db 2283 CAGGAAAGAGGAGATAATGTGGATTAAACCTTTAAGATTCTAACCATGCTTACTAAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCAATAAAAGATCTCATCTTAGACCAAAAGCA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCAATAAAAGATCTCATCTTAGACCAAAAGCA 2402

RESULT 10

US-09-906-742-226

; Sequence 226, Application US/09906742

; Publication No. US20030023054A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

[illegible]

Db	1503	TTTTCTAATGATGGCTCCACGAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGTAATTT	1562
Qy	1224	GTTTCCAAACATAGCCAAGACTTTTGGAAATCTCGGACATTTGGTCCGAAGATAGCTGCTGTA	1283
Db	1563	GTTTCCAAACATAGCCAAGACTTTTGGAAATCTCGGACATTTGGTCCGAAGATAGCTGCTGTA	1622
Qy	1284	CAGTTTACTTATGATCAGCGCA CGGAGTTCAGTTTTCTGACTATATAGCACCAAGAGAAAT	1343
Db	1623	CAGTTTACTTATGATCAGCGCA CGGAGTTCAGTTTTCTGACTATATAGCACCAAGAGAAAT	1682
Qy	1344	GTCCTAGCTGTCATCAGAAACATCCGCTATATCAGTGTGGTGGAAACAGCTACTCTGGTGATGCC	1403
Db	1683	GTCCTAGCTGTCATCAGAAACATCCGCTATATCAGTGTGGTGGAAACAGCTACTCTGGTGATGCC	1742
Qy	1404	ATTTCTTTCACTGTTAGAAATGTTTGGGCCCTATTAAGGAGAGCCCCAAACAAGAACTTTC	1463
Db	1743	ATTTCTTTCACTGTTAGAAATGTTTGGGCCCTATTAAGGAGAGCCCCAAACAAGAACTTTC	1802
Qy	1464	CTAGTAATGTCACAGATGGCGAGTCCTATGANTGANTGTCCAAGGCCCTGCAGCTGCTGCA	1523
Db	1803	CTAGTAATGTCACAGATGGCGAGTCCTATGANTGANTGTCCAAGGCCCTGCAGCTGCTGCA	1862
Qy	1524	CATGATCGAGGAATCACTATCTTCTCTGTTGGTGTGCTTTGGGCACCTCTGGATGACCTTG	1583
Db	1863	CATGATCGAGGAATCACTATCTTCTCTGTTGGTGTGCTTTGGGCACCTCTGGATGACCTTG	1922
Qy	1584	AAAGATATGGCTTTAAACCGAAGAGTCTCATGCTTTCTTCTTCCAAGAGAGTTTCAACGGA	1643
Db	1923	AAAGATATGGCTTTAAACCGAAGAGTCTCATGCTTTCTTCTTCCAAGAGAGTTTCAACGGA	1982
Qy	1644	TTAGAACCAATGTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTTAGAAATCCAG	1703
Db	1983	TTAGAACCAATGTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTTAGAAATCCAG	2042
Qy	1704	CAATAATGGTAACTTTTGAACACTGAAAGAAAAGTACAAGGGATCCAGTGTGTAATAT	1763
Db	2043	CAATAATGGTAACTTTTGAACACTGAAAGAAAAGTACAAGGGATCCAGTGTGTAATAT	2102
Qy	1764	TGTTATCTCATAACTAGTAATGCTTTTAGCATCTAGCAATCAGATACAAACACTTTAAAGT	1823
Db	2103	TGTTATCTCATAACTAGTAATGCTTTTAGCATCTAGCAATCAGATACAAACACTTTAAAGT	2162
Qy	1824	ATGTCACAGCCATTTAGGCAAAATAAGCACTCTCTTTAAAGCCGCTGCTCTGTTACAA	1883
Db	2163	ATGTCACAGCCATTTAGGCAAAATAAGCACTCTCTTTAAAGCCGCTGCTCTGTTACAA	2222
Qy	1884	TTTTACAGTGTAATTTGTTTAAAAACACTGCTGAGGCCTTCATTAATCATGGCTCTTAGAACT	1943
Db	2223	TTTTACAGTGTAATTTGTTTAAAAACACTGCTGAGGCCTTCATTAATCATGGCTCTTAGAACT	2282
Qy	1944	CAGGAAGAGGAGATAATGTGGATTTAAAACTTAAAGAGTTCTTAACCAATGCTCTACTAATG	2003
Db	2283	CAGGAAGAGGAGATAATGTGGATTTAAAACTTAAAGAGTTCTTAACCAATGCTCTACTAATG	2342
Qy	2004	TACAGATATGCAAAATTCATAGCTCAATAAAAAGAAATCTGATPACTTAGACCAAAAGCAACA	2063
Db	2343	TACAGATATGCAAAATTCATAGCTCAATAAAAAGAAATCTGATPACTTAGACCAAAAGCAACA	2402

RESULT 11

US-09-906-838-226
: Sequence 226. Application US/09906838

; Publication No. US20030027143A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi

APPLICANT: Botstein, David

APPLICANT: Desnoyers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napol

; APPLICANT: Filvaroff, Ell

APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

; TYPE: DNA

; ORGANISM:

US-09-906-838-226

1

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;

Query Match: 00.1%; Score: 0.00; Pred. No. 0;
Best Local Similarity 99.7%; Pred. No. 0;

Sequence	Matches	Conservative	Mismatches	Indels	Gaps
Sequence 1	233	0	0	7	0
Sequence 2	233	0	0	7	0
Sequence 3	233	0	0	7	0
Sequence 4	233	0	0	7	0
Sequence 5	233	0	0	7	0
Sequence 6	233	0	0	7	0
Sequence 7	233	0	0	7	0
Sequence 8	233	0	0	7	0
Sequence 9	233	0	0	7	0
Sequence 10	233	0	0	7	0
Sequence 11	233	0	0	7	0
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Sequence 14	233	0	0	7	0
Sequence 15	233	0	0	7	0
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Sequence 42	233	0	0	7	0
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Sequence 44	233	0	0	7	0
Sequence 45	233	0	0	7	0
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Sequence 68	233	0	0	7	0
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Sequence 70	233	0	0	7	0
Sequence 71	233	0	0	7	0
Sequence 72	233	0	0	7	0
Sequence 73	233	0	0	7	0
Sequence 74	233	0	0	7	0
Sequence 75	233	0	0	7	

24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGCAGCCTGGATCCCGGCTCTC 83

100

Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGCAGCCTGGATCCCGGCTCTC 422

Db 423 GGGCTCGGTGTGTCTGCTGCTGCTGCGGGGCGCGGCGAGCGAGGAGCGGCTCC 482
Qy 144 ATTGCTATACATGTTTTACAGAGGCTTGAGCATCAGGAAAGAGAAAGCAGATGCTCC 203
Db 483 ATTGCTATACATGTTTTACAGAGGCTTGAGCATCAGGAAAGAGAAAGCAGATGCTCC 542
Qy 204 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 263
Db 543 TGCCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGCTGTCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCTACCTGCTCGAGAAAATTTCTCTCAGTAGATGCCAATGSCATC 383
Db 663 GTACGAGTCTATAGCTACCTGCTCGAGAAAATTTCTCTCAGTAGATGCCAATGSCATC 722
Qy 384 CAGTCTCAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAACTAAAGGCAAAAGTAGT 443
Db 723 CAGTCTCAATGCTTTCTAGATGCTGCTTTCTTTCACAGTAACTAAAGGCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA 503
Db 783 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCACATCCACACAGGTAAACGACTA 842
Qy 504 AAGAAACCCCGAGAGAAATCGGCATTAAGATTTGTAAGCAGACATTCGATTTCTG 563
Db 843 AAGAAACCCCGAGAGAAATCGGCATTAAGATTTGTAAGCAGACATTCGATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAATATTGGGCGAGCGCGGATTTAATTTACAGAGAAATTTGTTGA 623
Db 903 ATTGATGGAAGCTTTAATATTGGGCGAGCGCGGATTTAATTTACAGAGAAATTTGTTGA 962
Qy 624 AAGTGGCTCTAATGTTGGAAATGGAAAGAGGACCAATGTTGGGCTTTGTTCAAGCC 683
Db 963 AAGTGGCTCTAATGTTGGAAATGGAAAGAGGACCAATGTTGGGCTTTGTTCAAGCC 1022
Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAATCTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTACTTGAAATCTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTGGCCATAAGGAAGTAGGTTTCAGAGGGGTAAATTCATAACAGGAAAGCTTTGAAG 803
Db 1083 TTGGCCATAAGGAAGTAGGTTTCAGAGGGGTAAATTCATAACAGGAAAGCTTTGAAG 1142
Qy 804 CATACGCTCAGAAAATCTTTCAGGAGTAGTGTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACGCTCAGAAAATCTTTCAGGAGTAGTGTGGAGTAAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATGATGTTGGCTCTCTGATGATCAGGAGGAGCAGGCAATGTTGCC 923
Db 1203 GTGGTGGTATTTATGATGTTGGCTCTCTGATGATCAGGAGGAGCAGGCAATGTTGCC 1262
Qy 924 AGAGAGTTGGTGTCAATGATTTATGATTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983
Db 1263 AGAGAGTTGGTGTCAATGATTTATGATTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGGTTCAGGATGTCAATTTGTTGAACAGGCTGTCTGTGGAAATAGTGGCTTTCTTC 1043
Db 1323 GGGATGGTTCAGGATGTCAATTTGTTGAACAGGCTGTCTGTGGAAATAGTGGCTTTCTTC 1382
Qy 1044 TCTTACCATGCCCAGCTGTTGGCACCACCAAAATAGTAAAGCTCTGTGTACAGAAG 1103
Db 1383 TCTTACCATGCCCAGCTGTTGGCACCACCAAAATAGTAAAGCTCTGTGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAAACAAATGATGTGAGCAAGCCTGTTATTAACCTCAGTGAACATGTC 1163
Db 1443 CTGTGCACTCATGAAACAAATGATGTGAGCAAGCCTGTTATTAACCTCAGTGAACATGTC 1502
Qy 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223

Db 1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCCCAACATACGCAAGACTTTTGAATCTCGACATTTGGTGCCAAAGATAGCTGCTGA 1283
Db 1563 GTTTCCCAACATAGCCAGACTTTTGAATCTCGACATTTGGTGCCAAAGATAGCTGCTGA 1622
Qy 1284 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTCTGACTATATAGCAACCAAGAGAAT 1343
Db 1623 CAGTTTACTTATGATCAGCGCAGGAGTTTCACTTCTGACTATATAGCAACCAAGAGAAT 1682
Qy 1344 GTCTAGCTGTCTATCAGAAAATCCGCTATATAGTGTGGAGGAGCAGCTACTGTTATGCC 1403
Db 1683 GTCTAGCTGTCTATCAGAAAATCCGCTATATAGTGTGGAGGAGCAGCTACTGTTATGCC 1742
Qy 1404 ATTTCTCTCAGTGTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACCAAGAACTTC 1463
Db 1743 ATTTCTCTCAGTGTAGAAATGTTTGGCCCTTATAAGGGAGAGCCCAACCAAGAACTTC 1802
Qy 1464 CTAGTAATGTTCTCAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTCAGCTGCTGCA 1523
Db 1803 CTAGTAATGTTCTCAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTCAGCTGCTGCA 1862
Qy 1524 CATGATCAGGAAATCACTATCTTCTGTGTGTGGCTTGGGACCTCTGATGACCTG 1583
Db 1863 CATGATCAGGAAATCACTATCTTCTGTGTGTGGCTTGGGACCTCTGATGACCTG 1922
Qy 1584 AAGATATGGCTTTTAAACCGAGAGTCTCATGCTTTCTTCCAAAGAGAGTTTCACAGGA 1643
Db 1923 AAGATATGGCTTTTAAACCGAGAGTCTCAGCTTTCTTCCAAAGAGAGTTTCACAGGA 1982
Qy 1644 TTAGAACCAGTGTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCA 1703
Db 1983 TTAGAACCAGTGTGTTCTGATGTCATCAGAGGCATTTGTAGAGATTTCTTAGAATCCCA 2042
Qy 1704 CAATATGTTAAATTTTGAACAATGAAAGAAAGATCAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGTTAAATTTTGAACAATGAAAGAAAGATCAAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTCTCATATCTGAAATGCTTTAGCATCTAGATCAGATACAGAAACTATTTAACT 1823
Db 2103 TGTATTCTCATATCTGAAATGCTTTAGCATCTAGATCAGATACAGAAACTATTTAACT 2162
Qy 1824 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACCACTGCTGAGGCTTCATATCATGGCTCTTAGAACT 2282
Qy 1944 CAGGAAAGAGGAGATAATGTTGATTTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2003
Db 2283 CAGGAAAGAGGAGATAATGTTGATTTAAACCTTTAAGAGTTCTAACCATGCTTAAATG 2342
Qy 2004 TACAGATGCAAAATTTCCATAGCTCAATAAAGAAATCTGATACTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATGCAAAATTTCCATAGCTCAATAAAGAAATCTGATACTTAGACCAAAAGCAACA 2402

RESULT 12

US-09-907-613-226

; Sequence 226, Application US/09907613

; Publication No. US20030027145A1

; GENERAL INFORMATION:

; APPLICANT: Genentech, Inc.

; APPLICANT: Ashkenazi, Avi

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Filvaroff, Ellen

; APPLICANT: Fong, Sherman

; APPLICANT: Gao, Wei-Qiang

144	ATTGCTATCACATGTTTTCACGAGGCTTGGACATCAGAAAGAGAAACGAGATGTCTCTC	203
QY		
483	ATTGCTATCACATGTTTACGAGGCTTGGACATCGAAAGAGAAACGAGATGTCTCTC	542
Db		
204	TGCCACGGGGCTGCCCTCTTGAGGAATTTCTCTGTGTATGGGACATAGTATATGCTTCT	263
QY		
543	TGCCACGGGGCTGCCCTCTTGAGGAATTTCTCTGTGTATGGGACATAGTATATGCTTCT	602
Db		
264	GTATCGAGCATATGTGGGGCTGCTGCCACAGGGGAGTAATCAGCAACTCAGGGGGGACCT	323
QY		
603	GTATCGAGCATATGTGGGGCTGCTGCCACAGGGGAGTAATCAGCAACTCAGGGGGGACCT	662
Db		
324	GTACGAGTCTATAGCCCTACCTGGTCCAGAAAACTATTCTCTCAGTAGATGCCAATGGCANTC	383
QY		
663	GTACGAGTCTATAGCCCTACCTGGTCCAGAAAACTATTCTCTCAGTAGATGCCAATGGCANTC	722
Db		
384	CAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCACAGTAACTTAAAGGCAAAAGTAGT	443
QY		
723	CAGTCTCAAAATGCTTTCTAGATGCTCTCTTTTCACAGTAACTTAAAGGCAAAAGTAGT	782
Db		
444	ACACAGGAGGCCACAGCAACAGCAGTGTCCACAGCACATCCACCAACGTTAAACGACTA	503
QY		
783	ACA-CAGGAGGCCACAGCAACAGCAGTGTCCACAGCACATCCACCAACGTTAAACGACTA	842
Db		
504	AAGAAAAACACCGGAGAGAAAACTGGCAATAAAGATTGTTAAAGCAGACATTTGCATTCTG	563
QY		
843	AAGAAAAACACCGGAGAGAAAACTGGCAATAAAGATTGTTAAAGCAGACATTTGCATTCTG	902
Db		
564	ATTGATGAGAGCTTTTATATTTGGGCAGCGCCGATTTAAATTTACAGAAAGAAATTTTGTGGA	623
QY		
903	ATTGATGAGAGCTTTTATATTTGGGCAGCGCCGATTTAAATTTACAGAAAGAAATTTTGTGGA	962
Db		
624	AAAGTGGCTCTAAATGTTGGGAAATTGGAAACAGAAAGGACCAATGTGGGCCCTTGTTCAGGCC	683
QY		
963	AAAGTGGCTCTAAATGTTGGGAAATTGGAAACAGAAAGGACCAATGTGGGCCCTTGTTCAGGCC	1022
Db		
684	AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTGTG	743
QY		
1023	AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTGTG	1082
Db		
744	TTTGGCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATTCCAAATACAGGAAAAAGCTTTGAAG	803
QY		
1083	TTTGGCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATTCCAAATACAGGAAAAAGCTTTGAAG	1142
Db		
804	CATCTGCTCAGAAATTTCTTCACGGTAGATCTGGAGTAGAAAGGATCCCAAGAGT	863
QY		
1143	CATCTGCTCAGAAATTTCTTCACGGTAGATCTGGAGTAGAAAGGATCCCAAGAGT	1202
Db		
864	GTGTGGTGTATTTATTTGATGGTTGGCCCTCTTGATGAATCGAGGAAGCAGGCATTTGTGCC	923
QY		
1203	GTGTGGTGTATTTATTTGATGGTTGGCCCTCTTGATGAATCGAGGAAGCAGGCATTTGTGCC	1262
Db		
924	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGCCATTCCTCGAAGACTG	983
QY		
1263	AGAGAGTTTGGTGTCAATGTATTTATAGTTTCTGTGGCCAGCCATTCCTCGAAGACTG	1322
Db		
984	GGGATGGTTTCAGGATGTCAATTTGTTTGAACAGGCTGTCTCGGAATAATGGCTTCTTTC	1043
QY		
1323	GGGATGGTTTCAGGATGTCAATTTGTTTGAACAGGCTGTCTCGGAATAATGGCTTCTTTC	1382
Db		
1044	TCTTACCACATGCCCAACTGGTGTGGCCACCAAAAAATAGTAAAGCCTCTGGTACAGAG	1103
QY		
1383	TCTTACCACATGCCCAACTGGTGTGGCCACCAAAAAATAGTAAAGCCTCTGGTACAGAG	1442
Db		
1104	CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAACTCAGTGAACATTTGCC	1163
QY		
1443	CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAACTCAGTGAACATTTGCC	1502
Db		
1164	TTTCTAAATTTGATGGCTCCAGCAGTGTGTGGAGATAGCAAAATTTCCGCCCTCATGCTGAATTT	1223
QY		
1503	TTTCTAAATTTGATGGCTCCAGCAGTGTGTGGAGATAGCAAAATTTCCGCCCTCATGCTGAATTT	1562
Db		

QY 1224 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATTTGGTCCAAAGATAGCTGCTGTA 1283
Db 1563 GTTTCACATAGCCAAAGACTTTTGAATCTCGACATTTGGTCCAAAGATAGCTGCTGTA 1622
QY 1284 CAGTTTACTTATGATCAGCCAGGAGTTTCACTTCTAGTCTACTATAGCACAAGAGAAT 1343
Db 1623 CAGTTTACTTATGATCAGCCAGGAGTTTCACTTCTAGTCTACTATAGCACAAGAGAAT 1682
QY 1344 GTCCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTTGATGCC 1403
Db 1683 GTCCTAGCTGTATCAGAAACATCCGCTATATAGTGGTGGAAACAGCTACTGTTGATGCC 1742
QY 1404 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAAGAACTTC 1463
Db 1743 ATTTCTTCTACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCAACAAGAACTTC 1802
QY 1464 CTAGTAATTTGTCAGATGGGAGTCTTATGATGATGTCAAGGCCCTCGAGCTGTGCA 1523
Db 1803 CTAGTAATTTGTCAGATGGGAGTCTTATGATGATGTCAAGGCCCTCGAGCTGTGCA 1862
QY 1524 CATGATCAGGAATCACTTCTCTGTTGGTGGCTTTGGGACCTCTGGATGACCTG 1583
Db 1863 CATGATCAGGAATCACTTCTCTGTTGGTGGCTTTGGGACCTCTGGATGACCTG 1922
QY 1584 AAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTTCTCAAGAGAGTTCACAGGA 1643
Db 1923 AAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTTCTCAAGAGAGTTCACAGGA 1982
QY 1644 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
QY 1704 CAATAATGGTAAACATTTTGAACAAGGAGGAGTCAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGGTAAACATTTTGAACAAGGAGGAGTCAAGGGGATCCAGTGTGTAAT 2102
QY 1764 TGTAATCTCATAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 1823
Db 2103 TGTAATCTCATAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAGT 2162
QY 1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2163 ATGTCAACAGCCATTTAGGCAATAAGCACTCTTTAAAGCCGCTGCTTCTGGTTACAA 2222
QY 1884 TTTACAGTGACTTTGTTAAACACCTGCTGAGCTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTACAGTGACTTTGTTAAACACCTGCTGAGCTTCATAATCATGGCTCTTAGAACT 2282
QY 1944 CAGGAAGAGAGATATGTTGATTAACCTTTAAAGCTTTAAACCTGCTTAAATG 2003
Db 2283 CAGGAAGAGAGATATGTTGATTAACCTTTAAAGCTTTAAACCTGCTTAAATG 2342
QY 2004 TACAGATATCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 13
US-09-907-942-226
; Sequence 226, Application US/09907942
; Publication No. US20030027146A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/907,942
; CURRENT FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; PRIOR FILING DATE: 2000-01-05
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-907-942-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
QY 24 TCTCGAGCAGGTGTGAGCAGCCTTATCAGTCAACATTCGCGAGCCTTGATTCGCGGTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTTATCAGTCAACATTCGCGAGCCTTGATTCGCGGTCTC 422
QY 84 GGCCTCGGTGTGTGCTGTGCTGCTGCGGGGCCCGGCGAGCGAGGCGCGTCCC 143
Db 423 GGCCTCGGTGTGTGCTGTGCTGCTGCGGGGCCCGGCGAGCGAGGCGCGTCCC 482
QY 144 ATTGCTATCACATGTTTATTACAGAGGCTTTGGACATCAGGAAGAGAAAGCAGATGTCTC 203

Db 483 ATTGCTATCATGTTTTTACAGAGGCTTGGACATCAGGAAAGAGACGATGCTTC 542
Qy 204 TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 263
Db 543 TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAGTAAATCAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGCTATAGCTTACCTGTCTCGAGAAAATTAATTCCTCAGTAGATGCCATGCAATC 383
Db 663 GTACGAGCTATAGCTTACCTGTCTCGAGAAAATTAATTCCTCAGTAGATGCCATGCAATC 722
Qy 384 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTCACAGTAACATAAGSCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTCACAGTAACATAAGSCAAAAGTAGT 782
Qy 444 ACACAGAGGCCACAGGACAGCTGTCCACAGCACATCCACCAACAGGTAACGACTA 503
Db 783 ACACAGAGGCCACAGGACAGCTGTCCACAGCACATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAAACCCGAGAGAAAATCTGGCAATAAAGATTGTAAAGCAGACATTTGCAATTTCTG 563
Db 843 AAGAAAACCCGAGAGAAAATCTGGCAATAAAGATTGTAAAGCAGACATTTGCAATTTCTG 902
Qy 564 ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 623
Db 903 ATTGATGGAAGCTTTAATATTGGGCAGCGCCGATTTAATTTACAGAAAGATTTTGTGGA 962
Qy 624 AAGTGGCTCTAATGTTGGAAATTGGAACAGAGGCCACATGTGGGCCCTTGTTCAGCC 683
Db 963 AAGTGGCTCTAATGTTGGAAATTGGAACAGAGGCCACATGTGGGCCCTTGTTCAGCC 1022
Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACCTTTACATCAGCCAAAGATGTTTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACCTTTACATCAGCCAAAGATGTTTTG 1082
Qy 744 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAATTTCCAATACAGGAAAGCCTTGAAG 803
Db 1083 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAATTTCCAATACAGGAAAGCCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATTTGATGGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGCC 923
Db 1203 GTGGTGGTATTTATTTGATGGTTGGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGCC 1262
Qy 924 AGAGATTTGGTGTCAATGATTTATATGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
Db 1263 AGAGATTTGGTGTCAATGATTTATATGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGCTTCAGGATGTCACATTTGTTGACAAAGCTGCTGTCTGGATATATGCTTCTTC 1043
Db 1323 GGGATGCTTCAGGATGTCACATTTGTTGACAAAGCTGCTGTCTGGATATATGCTTCTTC 1382
Qy 1044 TCTTACCACATGCCCAACTGGTTGGCACCAACAAATACGTAAGCCCTCTGGTACAGAAG 1103
Db 1383 TCTTACCACATGCCCAACTGGTTGGCACCAACAAATACGTAAGCCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTTAACTCAGTGAACATTTGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGAGCAAGACCTGTTTAACTCAGTGAACATTTGCC 1502
Qy 1164 TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACACATAGCCAAAGCTTTTGAATCTCGGACATTTGGTCCAAAGATAGCTGTGTA 1283

Db 1563 GTTTCACACATAGCCCAAGACTTTTTGAATCTCGACATTTGGTGCCCAAGATAGCTGTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCGACCGAGTTTCAGTTTCACTGACTATAGACACAAAGAGAT 1343
Db 1623 CAGTTTACTTATGATCAGCGACCGAGTTTCAGTTTCACTGACTATAGACACAAAGAGAT 1682
Qy 1344 GTTCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGTGGAAACAGCTACTGCTGATGCC 1403
Db 1683 GTTCTAGCTGTCTCATCAGAAACATCCGCTATATAGTGTGTGGAAACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCTCTTCACTGTGTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCTCTTCACTGTGTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCAAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTGACGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCAAGATGGGCAGTCTTATGATGATGTCCAAAGGCCCTGACGCTGCTGCA 1862
Qy 1524 CATGATGCAAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACCTCTGATGACCTG 1583
Db 1863 CATGATGCAAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACCTCTGATGACCTG 1922
Qy 1584 AAGATATGCTGCTTCTAAACCCGAGGAGTCTCATGCTTTCTTCCAAAGAGAGTTTCACAGA 1643
Db 1923 AAGATATGCTGCTTCTAAACCCGAGGAGTCTCATGCTTTCTTCCAAAGAGAGTTTCACAGA 1982
Qy 1644 TTAGAACCAATTTGTTTCTGATGTCTCATCAGAGCANTTTGTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTTCTGATGTCTCATCAGAGCANTTTGTAGAGATTTCTTAGAATCCCAG 2042
Qy 1704 CAATATGCTTAACATTTTGACAACTTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATATGCTTAACATTTTGACAACTTGAAAGAAAAAGTACAAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTATTTCTCATATACTGAAATGCTTTTAGCATPACTAGAAATCAGATACAAAACCTATTAAGT 1823
Db 2103 TGTATTTCTCATATACTGAAATGCTTTTAGCATPACTAGAAATCAGATACAAAACCTATTAAGT 2162
Qy 1824 ATGTCAAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTGTTTACAA 1883
Db 2163 ATGTCAAGCCATTTAGGCAATTAAGCACTCTTTTAAAGCCGCTGCTTCTGTTTACAA 2222
Qy 1884 TTTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCAATAATCATGGCTCTTTAGAACT 1943
Db 2223 TTTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCAATAATCATGGCTCTTTAGAACT 2282
Qy 1944 CAGGAAAGAGGAGATAATGTGAATTAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2003
Db 2283 CAGGAAAGAGGAGATAATGTGAATTAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATAAAGAACTCTGATACTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATAAAGAACTCTGATACTTAGACCAAAAGCAACA 2402

RESULT 14
US-09-904-859-226
; Sequence 226, Application US/09904859
; Publication No. US20030036060A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Goddard, A.
; APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, Christopher J.
APPLICANT: Gurney, Austin L.
APPLICANT: Hillan, Kenneth, J.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Mather, Jennie P.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William, I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: 10466-14
CURRENT APPLICATION NUMBER: US/09/904,859
CURRENT FILING DATE: 2001-07-12
PRIOR APPLICATION NUMBER: 09/665,350
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: PCT/US00/04414
PRIOR FILING DATE: 2000-02-22
PRIOR APPLICATION NUMBER: US 60/143,048
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: US 60/145,698
PRIOR FILING DATE: 1999-07-26
PRIOR APPLICATION NUMBER: US 60/146,222
PRIOR FILING DATE: 1999-07-28
PRIOR APPLICATION NUMBER: PCT/US99/20594
PRIOR FILING DATE: 1999-09-08
PRIOR APPLICATION NUMBER: PCT/US99/20944
PRIOR FILING DATE: 1999-09-13
PRIOR APPLICATION NUMBER: PCT/US99/21090
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/21547
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: PCT/US99/23089
PRIOR FILING DATE: 1999-10-05
PRIOR APPLICATION NUMBER: PCT/US99/28214
PRIOR FILING DATE: 1999-11-29
PRIOR APPLICATION NUMBER: PCT/US99/28313
PRIOR FILING DATE: 1999-11-30
PRIOR APPLICATION NUMBER: PCT/US99/28564
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/28565
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: PCT/US99/30095
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: PCT/US99/30911
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US99/30999
PRIOR FILING DATE: 1999-12-20
PRIOR APPLICATION NUMBER: PCT/US00/00219
PRIOR FILING DATE: 2000-01-05
NUMBER OF SEQ ID NOS: 423
SEQ ID NO 226
LENGTH: 2403
TYPE: DNA
ORGANISM: Homo Sapien
US-09-904-859-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 422

Qy 84 GGCCCTCGGTGTGTCTGTCTGTCTGCTCCCGGGGCCCGGGGAGCGGAGCGGCTCCC 143
Db 423 GGCCCTCGGTGTGTCTGTCTGTCTGCTCCCGGGGCCCGGGGAGCGGAGCGGCTCCC 482

Qy 144 ATTGCTATCACATGTTTACCAGAGGCTTGGACATCAGGAAAGAGGAGCAGATGCTCTC 203

Db 483 ATTGCTATCACATGTTTACCAGAGGCTTGGACATCAGGAAAGAGGAGCAGATGCTCTC 542
Qy 204 TGCCCGAGGGGGCTGCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 543 TGCCCGAGGGGGCTGCCTCTTGGAGAAATCTCTGTGTATGGGAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGGACCT 662
Qy 324 GTACGAGTCTATAGCCTACTGTGTGAGAAACTATCTCTCAGTAGATGCGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTACTGTGTGAGAAACTATCTCTCAGTAGATGCGCAATGGCATC 722
Qy 384 CAGTCTCAATGCTTCTTAGATGCTGCTCTTTCACAGTAATTAAGGCAAAAGTATG 443
Db 723 CAGTCTCAATGCTTCTTAGATGCTGCTCTTTCACAGTAATTAAGGCAAAAGTATG 782
Qy 444 ACACAGGAGGCCACAGGCAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 503
Db 783 ACACAGGAGGCCACAGGCAAGCAGTGTCCACAGCACATCCACCAACAGGTAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTTCG 563
Db 843 AAGAAACACCCGAGAGAAACTGGCAATAAAGATTGTAAAGCAGACATTTGCTTTCG 902
Qy 564 ATTGATGGAAGCTTTAATTTATTTGGGAGCGCCGATTTAATTTACAGAAGAAATTTGTTGA 623
Db 903 ATTGATGGAAGCTTTAATTTATTTGGGAGCGCCGATTTAATTTACAGAAGAAATTTGTTGA 962
Qy 624 AAGTGGCTCTAATGTTGGGAAATGGAAACAGAGGACACATGTGGGCTTGTTCAGGCC 683
Db 963 AAGTGGCTCTAATGTTGGGAAATGGAAACAGAGGACACATGTGGGCTTGTTCAGGCC 1022
Qy 684 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTACATCAGCCAAAGATGTTTG 1082
Qy 744 TTGCGCATAAAGAGTAGTGTTCAGAGGGGTAAATCCATACAGAGAAAGCCTTGAAG 803
Db 1083 TTGCGCATAAAGAGTAGTGTTCAGAGGGGTAAATTTCCAATAACAGAGAAAGCCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1143 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202
Qy 864 GTGGTGGTATTTATGATGGTTGGCTTCTGATGACATCGAGGAAGCAGGCATTTGTGGCC 923
Db 1203 GTGGTGGTATTTATGATGGTTGGCTTCTGATGACATCGAGGAAGCAGGCATTTGTGGCC 1262
Qy 924 AGAGTGTGGTGTCAATGATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 983
Db 1263 AGAGTGTGGTGTCAATGATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGCGAATAATGCTTCTTC 1043
Db 1323 GGGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGCGAATAATGCTTCTTC 1382
Qy 1044 TCTTACACATGCCCAACTGGTTTGGCACCACAAAAATAGCTAAAGCCTCTGGTACAGAAG 1103
Db 1383 TCTTACACATGCCCAACTGGTTTGGCACCACAAAAATAGCTAAAGCCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAATCTCAGTGAACATGCC 1163
Db 1443 CTGTGCACTCATGAACAAATGATGTGCAGCAAGACCTGTTTAATCTCAGTGAACATGCC 1502
Qy 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACACATAGCCAAAGACTTTTGAATCTCGCAATTTGGTGGCCAAAGATAGCTGCTGA 1283

Db 1563 GTTTCACATAGCCAGACATTTTGAATCTCGGACATTTGGTCCAGATAGCTGCTGTA 1622
Qy 1284 CAGTTTACTTATGATCAGCCGACGGAGTTTCACTTTCACTGACTATATAGCACCACCAAGAGAT 1343
Db 1623 CAGTTTACTTATGATCAGCCGACGGAGTTTCACTTTCACTGACTATATAGCACCACCAAGAGAT 1682
Qy 1344 GTCTAGCTGCTCATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGCTGATGCC 1403
Db 1683 GTCTAGCTGCTCATCAGAAACATCCGCTATATCAGTGGTGGAAACAGCTACTGCTGATGCC 1742
Qy 1404 ATTTCCCTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCCCAACAAGAACTTC 1463
Db 1743 ATTTCCCTTCACTGTTAGAAATGTTTGGCCCTATAAGGGAGAGCCCCCAACAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTCACAGATGGGAGTCTTATGATGATGTCAAGGCCCTGAGCTGCTGCA 1523
Db 1803 CTAGTAATTTGTCACAGATGGGAGTCTTATGATGATGTCAAGGCCCTGAGCTGCTGCA 1862
Qy 1524 CATGATCGAGGAATCCTATCTTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1583
Db 1863 CATGATCGAGGAATCCTATCTTCTCTGTTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1922
Qy 1584 AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db 1923 AAGATATGCTTCTAAACCGAAGGAGTCTCATGCTTTTCTTCAAGAGAGTTTCAACAGGA 1982
Qy 1644 TTAGAACCAATTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG 1703
Db 1983 TTAGAACCAATTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAG 2042
Qy 1704 CAATAATGTTAACTTTTGAACAATGAAAGAAAAGTCAAGGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGTTAACTTTTGAACAATGAAAGAAAAGTCAAGGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTAATCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTTAAAT 1823
Db 2103 TGTAATCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTTAAAT 2162
Qy 1824 ATGTCAACGCCATTTAGGCAATAGCACTCTCTTTAAAGCCGCTCTGTTTACAA 1883
Db 2163 ATGTCAACGCCATTTAGGCAATAGCACTCTCTTTAAAGCCGCTCTGTTTACAA 2222
Qy 1884 TTTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTTTCATAATCATGGCTCTTAGAACT 1943
Db 2223 TTTTACAGTGTACTTTGTTAAAAACACTGCTGAGGCTTTCATAATCATGGCTCTTAGAACT 2282
Qy 1944 CAGAAAGAGGAGATTAATGTGGATTTAAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2003
Db 2283 CAGAAAGAGGAGATTAATGTGGATTTAAACCTTTAAGAGTTCTTAACCATGCTACTAAATG 2342
Qy 2004 TACAGATATGCAATTTCCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAATTTCCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 15

US-09-909-204-226
; Sequence 226, Application US/0909204
; Publication No. US20030036061A1
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gottschalk, A.
; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavini, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/909,204
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2000-02-22
; PRIOR APPLICATION NUMBER: US 60/143,048
; PRIOR FILING DATE: 1999-07-07
; PRIOR APPLICATION NUMBER: US 60/145,698
; PRIOR FILING DATE: 1999-07-26
; PRIOR APPLICATION NUMBER: US 60/146,222
; PRIOR FILING DATE: 1999-07-28
; PRIOR APPLICATION NUMBER: PCT/US99/20594
; PRIOR FILING DATE: 1999-09-08
; PRIOR APPLICATION NUMBER: PCT/US99/20944
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: PCT/US99/21090
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/21547
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: PCT/US99/23089
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: PCT/US99/28214
; PRIOR FILING DATE: 1999-11-29
; PRIOR APPLICATION NUMBER: PCT/US99/28313
; PRIOR FILING DATE: 1999-11-30
; PRIOR APPLICATION NUMBER: PCT/US99/28564
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/28565
; PRIOR FILING DATE: 1999-12-02
; PRIOR APPLICATION NUMBER: PCT/US99/30095
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: PCT/US99/30911
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US99/30999
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: PCT/US00/00219
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-909-204-226

Query Match 80.1%; Score 2028.8; DB 10; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCGGCTCTC 422
Qy 84 GGCCTCGGTGTGTGTCTGTCTGTCTGCGGGGCCCCGGGCGAGCGAGGAGCCGCTCCC 143
Db 423 GGCCTCGGTGTGTGTCTGTCTGTCTGCGGGGCCCCGGGCGAGCGAGGAGCCGCTCCC 482
Qy 144 ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGAGATGCTCTC 203
Db 483 ATTGCTATCATATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAAAGAGATGCTCTC 542

Qy	204	TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGCAACATAGTATATGCTTCT	263
Db	543	TGCCAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGCAACATAGTATATGCTTCT	602
Qy	264	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	323
Db	603	GTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAGTAATCAGCAACTCAGGGGACCT	662
Qy	324	GTACGAGCTATAGCCTACCTGCTCGAGAAACTTATTCCTCAGTAGATGCCAATGCAATC	383
Db	663	GTACGAGCTATAGCCTACCTGCTCGAGAAACTTATTCCTCAGTAGATGCCAATGCAATC	722
Qy	384	CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTCACAGTAATCAGCAAAAGTAGT	443
Db	723	CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTCACAGTAATCAGCAAAAGTAGT	782
Qy	444	ACACAGAGGCCACAGACAGCAGTGTCCACAGCAGCATCCACACAGAGTAACAGCTA	503
Db	783	ACACAGAGGCCACAGACAGCAGTGTCCACAGCAGCATCCACACAGAGTAACAGCTA	842
Qy	504	AAGAAACACCCGAGAGAAACTTGGCAATAAAGATTGTAAAGCAGACATGCTATTCCTG	563
Db	843	AAGAAACACCCGAGAGAAACTTGGCAATAAAGATTGTAAAGCAGACATGCTATTCCTG	902
Qy	564	ATTGATGGAGCTTTTAATATTGGGCAGCGCCGATTTAATTTACAGAGAAATTTTGTGGA	623
Db	903	ATTGATGGAGCTTTTAATATTGGGCAGCGCCGATTTAATTTACAGAGAAATTTTGTGGA	682
Qy	624	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGCGGCCCTTGTCAAGCC	683
Db	963	AAAGTGCTCTAATGTTGGGAATTTGGAACAGAGGACCAATGCGGCCCTTGTCAAGCC	1022
Qy	684	AGTGACATCCCAATAGAAATTTACTTGAAATTTTACATCAGCCAAAGATGTTTG	743
Db	1023	AGTGACATCCCAATAGAAATTTACTTGAAATTTTACATCAGCCAAAGATGTTTG	1082
Qy	744	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGGAAAGCCTTGAAG	803
Db	1083	TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTCCAATACAGGAAAGCCTTGAAG	1142
Qy	804	CATCTGCTCAGAAATTCCTTCAGGTAGATGCTGGAGTAAGAAAGGATTCGCCAAGTG	863
Db	1143	CATCTGCTCAGAAATTCCTTCAGGTAGATGCTGGAGTAAGAAAGGATTCGCCAAGTG	1202
Qy	864	GTGCTGTATTTATGATGCTGCGCTTCTGATGACATCGAGGACGAGCATTTGGGCC	923
Db	1203	GTGCTGTATTTATGATGCTGCGCTTCTGATGACATCGAGGACGAGCATTTGGGCC	1262
Qy	924	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	983
Db	1263	AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCCTATCCCTGAAGAACTG	1322
Qy	984	GGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGCGAATATGCTTCTTC	1043
Db	1323	GGATGTTTCAGATGTCACATTTGTTGACAGGCTGTCTGTGCGAATATGCTTCTTC	1382
Qy	1044	TCTTACACATGCCCACCTGTTTGGCACCAAAATACGTAAGCCTCTGGTACAGAG	1103
Db	1383	TCTTACACATGCCCACCTGTTTGGCACCAAAATACGTAAGCCTCTGGTACAGAG	1442
Qy	1104	CTGTGCACTCAAGAACAAATGATGTGCGACAGACCTGTTATTAATCAGTGAACATTTGCC	1163
Db	1443	CTGTGCACTCAAGAACAAATGATGTGCGACAGACCTGTTATTAATCAGTGAACATTTGCC	1502
Qy	1164	TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT	1223
Db	1503	TTTCTAATGATGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT	1562
Qy	1224	GTTTCCAAATAGCAGACATTTTGAATCTCGACATTTGGTCCAGATAGCTGCTGTA	1283
Db	1563	GTTTCCAAATAGCAGACATTTTGAATCTCGACATTTGGTCCAGATAGCTGCTGTA	1622

Qy	1284	CAGTTTATTTATGATCAGCGCACGGAGTTTCAGTTTCACTGACTATATAGCAACCAAGAGAAT	1343
Db	1623	CAGTTTATTTATGATCAGCGCACGGAGTTTCAGTTTCACTGACTATATAGCAACCAAGAGAAT	1682
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
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US-09-394-264-1
; Sequence 1, Application US/09394264
; GENERAL INFORMATION:
; APPLICANT: Morton, Cynthia C.
; APPLICANT: Robertson, Nahid G.
; TITLE OF INVENTION: NOVEL COCHLEAR GENE COCH5B2 AND USES THEREOF
; FILE REFERENCE: 10286/008001
; CURRENT APPLICATION NUMBER: US/09/394,264
; CURRENT FILING DATE: 1999-09-10
; EARLIER APPLICATION NUMBER: US 60/102,343
; EARLIER FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS

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; Sequence 208, Application US/10821801
; GENERAL INFORMATION:
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; APPLICANT: Rosenthal, Andre
; APPLICANT: Hermann, Klaus
; APPLICANT: Heiden, Esmeralda
; APPLICANT: Pilarsky, Christian
; APPLICANT: Brummendorf, Thomas
; APPLICANT: Staub, Bike
; APPLICANT: Ropcke, Stefan
; APPLICANT: Mennerich, Detlev
; APPLICANT: Kinnemann, Henrik
; APPLICANT: Li, Xinzhang
; TITLE OF INVENTION: Human nucleic acid sequences from lung tumours
; FILE REFERENCE: 00154/002001
; CURRENT APPLICATION NUMBER: US/10/821,801
; PRIOR FILING DATE: 2004-04-09
; PRIOR FILING DATE: 2003-04-09
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 208
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-821-801-208

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Db 241 ATGGGAACAATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 300
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Db 241 ATGGGAACAATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 300
Qy |||||
Db 301 TAAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCTCTATAGCTTCTAGCTCGAANAATAT 360
Qy |||||
Db 301 TAAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCTTCTAGCTTCTAGCTCGAANAATAT 360
Qy |||||
Db 361 CCTCAGTAGATCCAAATGGCATCCAGTCTCAAATGCTTCTAGATGCTTCTGCTTTTCA 420
Qy |||||
Db 361 CCTCAGTAGATCCAAATGGCATCCAGTCTCAAATGCTTCTAGATGCTTCTGCTTTTCA 420
Qy |||||
Db 421 CAGTAATAAGCAAAAGTAGTACACAGAGGCCACAGACAGCAGTGTCCACAGCAC 480
Qy |||||
Db 421 CAGTAATAAGCAAAAGTAGTACACAGAGGCCACAGACAGCAGTGTCCACAGCAC 480
Qy |||||
Db 481 ATCCCAACACAGTAAACGACTAAAGAAACACCCGAGAGAAACCTGGCAATAAAGATT 540
Qy |||||
Db 481 ATCCCAACACAGTAAACGACTAAAGAAACACCCGAGAGAAACCTGGCAATAAAGATT 540
Qy |||||
Db 541 GTAAAGCAGACATTTGATTTCTGATTTGATGGAAGCTTTAATATTTGGGCGCGCGATT 600
Qy |||||
Db 541 GTAAAGCAGACATTTGATTTCTGATTTGATGGAAGCTTTAATATTTGGGCGCGCGATT 600
Qy |||||
Db 601 ATTTACAGAAAGATTTTGTGGAAAGTGGCTCTAATTTGGGAATTTGGAATTTGGAAGGAC 660
Qy |||||
Db 601 ATTTACAGAAAGATTTTGTGGAAAGTGGCTCTAATTTGGGAATTTGGAATTTGGAAGGAC 660
Qy |||||
Db 661 CACATGTGGGCTTGTTCAGGCGAGTAAACATCCCAAAATAGAAATTTTCTGAAAACT 720
Qy |||||
Db 661 CACATGTGGGCTTGTTCAGGCGAGTAAACATCCCAAAATAGAAATTTTCTGAAAACT 720
Qy |||||
Db 721 TTACATCAGCCAAAGATTTTGTGGTCCATAAGGAAGTAGGTTTTCAGAGGGGGTAAAT 780
Qy |||||
Db 721 TTACATCAGCCAAAGATTTTGTGGTCCATAAGGAAGTAGGTTTTCAGAGGGGGTAAAT 780
Qy |||||
Db 781 CCAATACAGAAAGCCTTTGAAAGCATATCTGCTCAGAAATTTCTCAGGTAGATGCTGGAG 840
Qy |||||
Db 781 CCAATACAGAAAGCCTTTGAAAGCATATCTGCTCAGAAATTTCTCAGGTAGATGCTGGAG 840
Qy |||||
Db 841 TAAGAAAGGGATCCCAAGTGGTGTATTTTATTCATGTTGGCTTCTGATGACA 900
Qy |||||
Db 841 TAAGAAAGGGATCCCAAGTGGTGTATTTTATTCATGTTGGCTTCTGATGACA 900
Qy |||||
Db 901 TCGAGGAAGCAGGCAATTTGGGCGCAGAGAGTGGTGTCAATGTATTTATAGTTTCTGTGG 960
Qy |||||
Db 901 TCGAGGAAGCAGGCAATTTGGGCGCAGAGAGTGGTGTCAATGTATTTATAGTTTCTGTGG 960
Qy |||||
Db 961 CCAAGCCTATCCCTGAAGAACTGGGGATGGTTTCAAGATGTCACATTTGTTGACAAGGCTG 1020
Qy |||||
Db 961 CCAAGCCTATCCCTGAAGAACTGGGGATGGTTTCAAGATGTCACATTTGTTGACAAGGCTG 1020
Qy |||||
Db 1021 TCTGTGGGAATATGGCTTCTCTTACCAATGCCCAACTGGTTTGGCACCAAAAAT 1080
Qy |||||
Db 1021 TCTGTGGGAATATGGCTTCTCTTACCAATGCCCAACTGGTTTGGCACCAAAAAT 1080
Qy |||||
Db 1081 AGCTAAAGCCTCTGGTACAGAAAGTGTGCACTCATGAACAAATGATGTGACGACACCT 1140
Qy |||||
Db 1081 AGCTAAAGCCTCTGGTACAGAAAGTGTGCACTCATGAACAAATGATGTGACGACACCT 1140
Qy |||||
Db 1141 GTTATAACTCAGTGAACATTTGCTTTCTAATTTGATGGCTCCAGCAGTGTGGAGATGCA 1200
Qy |||||
Db 1141 GTTATAACTCAGTGAACATTTGCTTTCTAATTTGATGGCTCCAGCAGTGTGGAGATGCA 1200
Qy |||||

QY 361 CCTCAGTAGATGCCATGGCATCAGTCTCAATGCTTTCTAGATGTCGTCTCTTTCA 420
Db 361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAATGCTTTCTAGATGTCGTCTCTTTCA 420
QY 421 CAGTAATTAAGGCAAAAGTAGTACACAGAGGCCACAGGACAGGAGTGTCCACAGCAC 480
Db 421 CAGTAATTAAGGCAAAAGTAGTACACAGAGGCCACAGGACAGGAGTGTCCACAGCAC 480
QY 481 ATCCACCACACAGGTAAACGCTAAAGAAAAACACCCGAGAGAAAACTGGCAATAAGAGATT 540
Db 481 ATCCACCACACAGGTAAACGCTAAAGAAAAACACCCGAGAGAAAACTGGCAATAAGAGATT 540
QY 541 GTAAGCAGACATTCGATTTCTGATGATGAAGCTTTTAATAATGGGCGCGCGATTAA 600
Db 541 GTAAGCAGACATTCGATTTCTGATGATGAAGCTTTTAATAATGGGCGCGCGATTAA 600
QY 601 ATTTACAGAGAAATTTGTTGGAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC 660
Db 601 ATTTACAGAGAAATTTGTTGGAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC 660
QY 661 CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTACTTGAATAACT 720
Db 661 CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTACTTGAATAACT 720
QY 721 TTACATCAGCCAAAGATGTTTTGTTGCCATAAGGAAGTAGTTTTAGAGGGGGTAAATT 780
Db 721 TTACATCAGCCAAAGATGTTTTGTTGCCATAAGGAAGTAGTTTTAGAGGGGGTAAATT 780
QY 781 CCAATACAGAAAGCCTTGAAGCATCTGCTCAGAAATTCCTCAGGATAGTCTGGAG 840
Db 781 CCAATACAGAAAGCCTTGAAGCATCTGCTCAGAAATTCCTCAGGATAGTCTGGAG 840
QY 841 TAAGAAAGGATCCCAAGTGGTGGTATTTATTTATGATGTTGGCTTCTGATGACA 900
Db 841 TAAGAAAGGATCCCAAGTGGTGGTATTTATTTATGATGTTGGCTTCTGATGACA 900
QY 901 TCAGGAAGCAGCATTTGGCCAGAGAGTTGGTGTCAATGATTTATATAGTTTCTGTGG 960
Db 901 TCAGGAAGCAGCATTTGGCCAGAGAGTTGGTGTCAATGATTTATATAGTTTCTGTGG 960
QY 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTGAGATGTCAATTTGTTGAAGAGCTG 1020
Db 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTGAGATGTCAATTTGTTGAAGAGCTG 1020
QY 1021 TCTGTGGAATAATGCTTCTCTTACACATGCCCACTGTTGGCACCACACAAAT 1080
Db 1021 TCTGTGGAATAATGCTTCTCTTACACATGCCCACTGTTGGCACCACACAAAT 1080
QY 1081 ACGTAAAGCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAAGACCT 1140
Db 1081 ACGTAAAGCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAAGACCT 1140
QY 1141 GTTATACTCAGTGAACTGCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA 1200
Db 1141 GTTATAACTCAGTGAACTGCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCA 1200
QY 1201 ATTTCCGCTCATGCTTGAATTTGTTCCACATGACCAAGCTTTTGAATCTCGACA 1260
Db 1201 ATTTCCGCTCATGCTTGAATTTGTTCCACATGACCAAGCTTTTGAATCTCGACA 1260
QY 1261 TTGGTGCCAAAGATGCTGTGATCAGTTTACTTATGATCAGCGCAGGAGTTTCA 1320
Db 1261 TTGGTGCCAAAGATGCTGTGATCAGTTTACTTATGATCAGCGCAGGAGTTTCA 1320
QY 1321 CTGACTATAGCAAAAGAGAAATGCTAGTGTCTATCAGAAACATCCGCTATAGAGTG 1380
Db 1321 CTGACTATAGCAAAAGAGAAATGCTAGTGTCTATCAGAAACATCCGCTATAGAGTG 1380
QY 1381 GTGGAACAGTACTGTGTGATGCCATTTCTTCACTGTAGAAATGTTGGCCCTATAA 1440
Db 1381 GTGGAACAGTACTGTGTGATGCCATTTCTTCACTGTAGAAATGTTGGCCCTATAA 1440
QY 1441 GGGAGAGCCCCAACAGAACTTCTTAGTAATTTGTACAGATGGGAGTCTTATGATG 1500

Db 1441 GGGAGAGCCCCAACAGAACTTCTTAGTAATTTGTCAAGATGGGAGTCTTATGATG 1500
QY 1501 TCCAAGGCCCTCAGCTGTCACATGATGACGAGGATCACTATCTTCTCTGTTGGTGG 1560
Db 1501 TCCAAGGCCCTCAGCTGTCACATGATGACGAGGATCACTATCTTCTCTGTTGGTGG 1560
QY 1561 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1561 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTTCTAAACCGAAGGAGTCTCATGCTT 1620
QY 1621 TCTTCAACAAGAGTTCACAGGATAGAAACCAATTTGTTTCTGATGTCAACAGGCAATTT 1680
Db 1621 TCTTCAACAAGAGTTCACAGGATAGAAACCAATTTGTTTCTGATGTCAACAGGCAATTT 1680
QY 1681 GTAGAGATTTCTTAGNATCCAGGCAATATGTTGTAACATTTTGACAACTGAAGAAAGT 1740
Db 1681 GTAGAGATTTCTTAGAATCCAGCAATATATGTTGTAACATTTTGACAACTGAAGAAAGT 1740
QY 1741 ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATATCTGAAATGCTTTAGCATACTAG 1800
Db 1741 ACAAGGGGATCCAGTGTGTAAATTTGATTTCTCATATATCTGAAATGCTTTAGCATACTAG 1800
QY 1801 AATCAGATACAAAACCTATTAAAGTATGTCAACAGCCATTTAGGCAATAAGCACTCCTTTA 1860
Db 1801 AATCAGATACAAAACCTATTAAAGTATGTCAACAGCCATTTAGGCAATAAGCACTCCTTTA 1860
QY 1861 AAGCCGCTGCTTCTGGTTTCAATTTACAGTGTACTTTGTTTAAACACCTGCTGAGGCTT 1920
Db 1861 AAGCCGCTGCTTCTGGTTTCAATTTACAGTGTACTTTGTTTAAACACCTGCTGAGGCTT 1920
QY 1921 CATATCATGGCTCTTTAGAACTCAGGAAAGAGGAGATATGTTGATTTAAACCTTTAAGA 1980
Db 1921 CATATCATGGCTCTTTAGAACTCAGGAAAGAGGAGATATGTTGATTTAAACCTTTAAGA 1980
QY 1981 GTTCTAACCATGCTCTATAATGTACAGATGTCAAAATCCATAGCTCAATAAAGAAATC 2040
Db 1981 GTTCTAACCATGCTCTATAATGTACAGATGTCAAAATCCATAGCTCAATAAAGAAATC 2040
QY 2041 TGATACTTAGACAAAAGCAACATTCGTTCTCTTAACCATCTCTGATTTGATTTATTAAGCA 2100
Db 2041 TGATACTTAGACAAAAGCAACATTCGTTCTCTTAACCATCTCTGATTTGATTTATTAAGCA 2100
QY 2101 AAATGAAAGAGAACTTAAATGAAACACAGCTCTTTAACTGTTTAACTGTTTCAATATTT 2160
Db 2101 AAATGAAAGAGAACTTAAATGAAACACAGCTCTTTAACTGTTTAACTGTTTCAATATTT 2160
QY 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGACACTA 2220
Db 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATAATAGCTAGCTATTACTGACACTA 2220
QY 2221 TAAATCTGGATATAGAAAGGAGACTGTATCAAACTGCTTTTGTAGTGTGTTTCAATAA 2280
Db 2221 TAAATCTGGATATAGAAAGGAGACTGTATCAAACTGCTTTTGTAGTGTGTTTCAATAA 2280
QY 2281 CAACTTATGACTTAAATAATATCACCTGAAATAGAGAGGAGGATGCGAGGATTTTCTA 2340
Db 2281 CAACTTATGACTTAAATAATATCACCTGAAATAGAGAGGAGGATGCGAGGATTTTCTA 2340
QY 2341 TTTCTCTCTTAAATTTATATATATATATATATATTTGGCTTATATTTCTAAGTCACCTAA 2400
Db 2341 TTTCTCTCTTAAATTTATATATATATATATATTTGGCTTATATTTCTAAGTCACCTAA 2400
QY 2401 GTACTTAAAGTAAAGTGGTAAAGATTTTACTGCTGCTGTATAAACAATTTAAAGACAAA 2460
Db 2401 GTACTTAAAGTAAAGTGGTAAAGATTTTACTGCTGCTGTATAAACAATTTAAAGACAAA 2460
QY 2461 GACATTTCAATACTGCGAGAAATAATTTGATGTTTGAATTTAAAGCAATAAAGCTGC 2520
Db 2461 GACATTTCAATACTGCGAGAAATAATTTGATGTTTGAATTTAAAGCAATAAAGCTGC 2520
QY 2521 TAGTGAGTTATTGT 2534

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Db      2521 TAGTGAGTTATTGT 2534
RESULT 5
US-10-940-774-2974
; Sequence 2974, Application US/10940774
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 2974
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Human
US-10-940-774-2974

Query Match      100.0%; Score 2534; DB 66; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GCACCTGGGCGCAGCGGGTGGATCTCGACGAGTGTGACGACCTATCAGTCACCATGT 60
Db      1 GCACCTGGGCGCAGCGGGTGGATCTCGACGAGTGTGACGACCTATCAGTCACCATGT 60

Qy      61 CCGCAGCCTCGATCCCGGCTCTCGGCTCGGTGTGTCTGCTGCTGCTGCTGCGGGGCCCG 120
Db      61 CCGCAGCCTCGATCCCGGCTCTCGGCTCGGTGTGTCTGCTGCTGCTGCTGCGGGGCCCG 120

Qy      121 CGGCGCAGCGAGGAGCGCGCTCCCATCTGATCATCATGTTTTACGAGGCTTGGACATCA 180
Db      121 CGGCGCAGCGAGGAGCGCGCTCCCATCTGATCATCATGTTTTACGAGGCTTGGACATCA 180

Qy      181 GGAAGAGAAAGCAGATGCTCTGCCCCGGGGGCTGCTGCTGCTGAGGAATCTCTGTGT 240
Db      181 GGAAGAGAAAGCAGATGCTCTGCCCCGGGGGCTGCTGCTGCTGAGGAATCTCTGTGT 240

Qy      241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGCCAGGGGAG 300
Db      241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGCCAGGGGAG 300

Qy      301 TAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCCTTACCTGTGCGAGAAAACTATT 360
Db      301 TAATCAGCAACTCAGGGGACCTGTACAGTCTATAGCCTTACCTGTGCGAGAAAACTATT 360

Qy      361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAATGCTTTCTAGATGCTGCTCTTTTCA 420
Db      361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAATGCTTTCTAGATGCTGCTCTTTTCA 420

Qy      421 CAGTAACTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGACAGCATGTCCACAGCAC 480
Db      421 CAGTAACTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGACAGCATGTCCACAGCAC 480

Qy      481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAGATT 540
Db      481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAGATT 540

Qy      541 GTAAAGCAGACATTGCATTTCTGATTGATGGAAGCTTTAATATTGGCGAGCCGATTTA 600
Db      541 GTAAAGCAGACATTGCATTTCTGATTGATGGAAGCTTTAATATTGGCGAGCCGATTTA 600

Qy      601 ATTTACAGAGAAATTTTGTGGAAAAAGTGGCTCTAATGTTGGAAATTGGAAACAGAGGAC 660
Db      601 ATTTACAGAGAAATTTTGTGGAAAAAGTGGCTCTAATGTTGGAAATTGGAAACAGAGGAC 660
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Qy 1741 ACAAGGGGATCCAGTGTGTAATGTTATCTCATATACTGAATGCTTTAGCATACTAG 1800
Db |||||
Qy 1741 ACAAGGGGATCCAGTGTGTAATGTTATCTCATATACTGAATGCTTTAGCATACTAG 1800
Db |||||
Qy 1801 AATCAGATACAAAATTAAGTATGTCACAGGCATTTAGGCAATTAAGCAGTCTCTTTA 1860
Db |||||
Qy 1801 AATCAGATACAAAATTAAGTATGTCACAGGCATTTAGGCAATTAAGCAGTCTCTTTA 1860
Db |||||
Qy 1861 AAGCGCTGCTCTCTGTTTACAAATTTACAGTGTACTTTGTTTAAACACAGTCTGAGGCTT 1920
Db |||||
Qy 1861 AAGCGCTGCTCTCTGTTTACAAATTTACAGTGTACTTTGTTTAAACACAGTCTGAGGCTT 1920
Db |||||
Qy 1921 CATATCATGCTCTTTAGAACTCAGGAAGAGGAGATAATGTTGATTTAAACACCTTTAAGA 1980
Db |||||
Qy 1921 CATATCATGCTCTTTAGAACTCAGGAAGAGGAGATAATGTTGATTTAAACACCTTTAAGA 1980
Db |||||
Qy 1981 GTTCTAACCATGCTCTTAATGATACAGATATGCAATTCATAGCTCAATTAAGAAATC 2040
Db |||||
Qy 1981 GTTCTAACCATGCTCTTAATGATACAGATATGCAATTCATAGCTCAATTAAGAAATC 2040
Db |||||
Qy 2041 TGATACCTAGACCAAAAGCAATCTGTTCTCTAAACCATCTGTTATGATTTATATAGCA 2100
Db |||||
Qy 2041 TGATACCTAGACCAAAAGCAATCTGTTCTCTAAACCATCTGTTATGATTTATATAGCA 2100
Db |||||
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2160
Db |||||
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2160
Db |||||
Qy 2161 TGACCCAAAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTTACTGCAGACTA 2220
Db |||||
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACTGCTTTTGTAGTGTGTTTCTATA 2280
Db |||||
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACTGCTTTTGTAGTGTGTTTCTATA 2280
Db |||||
Qy 2281 CAATCTATGATATAAATATACACTCAATTAAGAGAGCAGATTTGCCAGGTATTTTCTA 2340
Db |||||
Qy 2281 CAATCTATGATATAAATATACACTCAATTAAGAGAGCAGATTTGCCAGGTATTTTCTA 2340
Db |||||
Qy 2341 TTTCTCTCTTAATTTATATGATATATATTTGGCTTATTTCTAAGTCACTAA 2400
Db |||||
Qy 2401 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACTGTATATAAATTAAGACAAA 2460
Db |||||
Qy 2401 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACTGTATATAAATTAAGACAAA 2460
Db |||||
Qy 2461 GACATTTCAATTAACCTCAGAAAAATATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
Db |||||
Qy 2461 GACATTTCAATTAACCTCAGAAAAATATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
Db |||||
Qy 2521 TAGTGAGTTATTTGT 2534
Db |||||
Qy 2521 TAGTGAGTTATTTGT 2534
Db |||||

RESULT 6

US-10-170-235-36293
; Sequence 36293, Application US/10170235
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: KITS, SUCH AS NUCLEIC ACID ARRAYS, COMPRISING A MAJORITY OF HUMAN
; FILE OF INVENTION: TRANSCRIPTS, FOR DETECTING EXPRESSION AND OTHER USES THEREOF
; FILE REFERENCE: CL001380
; CURRENT APPLICATION NUMBER: US/10/170,235
; CURRENT FILING DATE: 2003-03-17
; NUMBER OF SEQ ID NOS: 42514
; SEQ ID NO 36293
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: HUMAN

US-10-170-235-36293

Query Match 100.0%; Score 2534; DB 49; Length 2581;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2534; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 60
Db 48 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT 107
Qy 61 CCGCAGCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
Db 108 CCGCAGCTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 167
Qy 121 CCGGCGCAGGAGGAGCGCTCCCATTTGCTATCATATGTTTTTACAGAGGCTTCGACATCA 180
Db 168 CCGGCGCAGGAGGAGCGCTCCCATTTGCTATCATATGTTTTTACAGAGGCTTCGACATCA 227
Qy 181 GGAAGAGAAAGCAGATGTCCTCTGCCCGAGGGGGCTGCCCTCTTGAGGAAATCTCTGTGT 240
Db 228 GGAAGAGAAAGCAGATGTCCTCTGCCCGAGGGGGCTGCCCTCTTGAGGAAATCTCTGTGT 287
Qy 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 300
Db 288 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCACAGGGGAG 347
Qy 301 TAATCAGCAACTCAGGGGGACCTGTACGAGTCTATAGCCCTACCTGCTCGAGAAACTATT 360
Db 348 TAATCAGCAACTCAGGGGGACCTGTACGAGTCTATAGCCCTACCTGCTCGAGAAACTATT 407
Qy 361 CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTGTCTCTTTCA 420
Db 408 CCTCAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTTCTAGATGCTGTCTCTTTCA 467
Qy 421 CAGTAACTAAGCAAAAAGTAGTACACAGAGGCCACAGGCAAGAGTGTCCACAGCAC 480
Db 468 CAGTAACTAAGCAAAAAGTAGTACACAGAGGCCACAGGCAAGAGTGTCCACAGCAC 527
Qy 481 ATCCACCAACAGTAAACGACTAAAGAAACACCCGAGAGAAATTCGCAATAAAGATT 540
Db 528 ATCCACCAACAGTAAACGACTAAAGAAACACCCGAGAGAAATTCGCAATAAAGATT 587
Qy 541 GTAAAGCAGACATTTGATTTCTGATTTGAGGAGCTTTAATATTTGGGCGAGCGCGATT 600
Db 588 GTAAAGCAGACATTTGATTTCTGATTTGAGGAGCTTTAATATTTGGGCGAGCGCGATT 647
Qy 601 ATTTCAGAGAAATTTGTTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC 660
Db 648 ATTTCAGAGAAATTTGTTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAACAGAGGAC 707
Qy 661 CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTCAAAAAT 720
Db 708 CACATGTGGGCTTTGTTCAAGCCAGTGAACATCCCAAAATAGAAATTTTACTTCAAAAAT 767
Qy 721 TTACATCAGCCAAAGATGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 780
Db 768 TTACATCAGCCAAAGATGTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 827
Qy 781 CCAATACAGAAAGCCTTTGAAGCATATCTGCTCAGAAAATTTCTTACGGTAGATGCTGGAG 840
Db 828 CCAATACAGAAAGCCTTTGAAGCATATCTGCTCAGAAAATTTCTTACGGTAGATGCTGGAG 887
Qy 841 TAAGAAAGGGATCCCAAGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 900
Db 888 TAAGAAAGGGATCCCAAGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 947
Qy 901 TCAGGAAGCAGGCATTTGTGGCCAGAGAGTGTGGTGTCAATGTATTTATATAGTTTCTGTGG 960
Db 948 TCAGGAAGCAGGCATTTGTGGCCAGAGAGTGTGGTGTCAATGTATTTATATAGTTTCTGTGG 1007
Qy 961 CCAAGCCTATCCCTGAAGAACTGGGGATGTTTCCAGGATGTCAATTTGTTGACAGGCTG 1020
Db 1008 CCAAGCCTATCCCTGAAGAACTGGGGATGTTTCCAGGATGTCAATTTGTTGACAGGCTG 1067

QY 1021 TCTGTGCGAATATGCTTCTTCTTACCAATGCTGCTTGGCAACCAAAAT 1080
DB 1068 TCTGTGCGAATATGCTTCTTCTTACCAATGCTGCTTGGCAACCAAAAT 1127
QY 1081 ACCTAAGCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCGACAGACT 1140
DB 1128 ACCTAAGCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCGACAGACT 1187
QY 1141 GTTATAACTCAGTGAACATTTCTTCTTAAATGATGGCTCCAGCAGTGTGGAGTAGCA 1200
DB 1188 GTTATAACTCAGTGAACATTTCTTCTTAAATGATGGCTCCAGCAGTGTGGAGTAGCA 1247
QY 1201 ATTTCCGCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGATTTTGAATCTCGGACA 1260
DB 1248 ATTTCCGCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGATTTTGAATCTCGGACA 1307
QY 1261 TTGGTGCAGATAGCTGTGATGCTTCTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1320
DB 1308 TTGGTGCAGATAGCTGTGATGCTTCTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1367
QY 1321 CTGACTATAGCAACCAAGAGATGCTCTAGCTGTCTATCAGAAATCATCCGCTATAGATG 1380
DB 1368 CTGACTATAGCAACCAAGAGATGCTCTAGCTGTCTATCAGAAATCATCCGCTATAGATG 1427
QY 1381 GTGGAACAGCTACTGTGATGCTTCTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1440
DB 1428 GTGGAACAGCTACTGTGATGCTTCTTCTTCACTGTAGAAATGTTTGGCCCTATAA 1487
QY 1441 GGGAGAGCCCAACAGAACTTCTAGTAAATGTTTCAAGATGGCAGTCTATAGATGATG 1500
DB 1488 GGGAGAGCCCAACAGAACTTCTAGTAAATGTTTCAAGATGGCAGTCTATAGATGATG 1547
QY 1501 TCCAAAGCCCTGAGCTGTGCAATGATGCAAGAAATCACTATCTTCTGTGTTGGTGTGG 1560
DB 1548 TCCAAAGCCCTGAGCTGTGCAATGATGCAAGAAATCACTATCTTCTGTGTTGGTGTGG 1607
QY 1561 CTTGGGACCTCTGGATGACCTGGAAGATGCTTCTTAAACCGAGGATCTCATGCTT 1620
DB 1608 CTTGGGACCTCTGGATGACCTGGAAGATGCTTCTTAAACCGAGGATCTCATGCTT 1667
QY 1621 TCTTCAAGAGAGTTCACAGGATTAGAACCAATTTGTTCTGATGTCATCAGAGGCAAT 1680
DB 1668 TCTTCAAGAGAGTTCACAGGATTAGAACCAATTTGTTCTGATGTCATCAGAGGCAAT 1727
QY 1691 GTAGAGATTTCTAGAAATCCAGCAATTAATGTTAAGTATTTGCAACTGGAAGAAAGT 1740
DB 1728 GTAGAGATTTCTAGAAATCCAGCAATTAATGTTAAGTATTTGCAACTGGAAGAAAGT 1787
QY 1741 ACAAGGGATCCAGTGTGTAATTTGTTCTTCAATACTGAAATGCTTTAGCATACTAG 1800
DB 1788 ACAAGGGATCCAGTGTGTAATTTGTTCTTCAATACTGAAATGCTTTAGCATACTAG 1847
QY 1801 AATCAGATACAAAATTAAGTATGTCACAGCCATTTAGGCAAAATAGCACTCCTTTA 1860
DB 1848 AATCAGATACAAAATTAAGTATGTCACAGCCATTTAGGCAAAATAGCACTCCTTTA 1907
QY 1861 AAGCGCTGCTTCTGGTTACAAATTTACAGTGTACTTGTGTTAAACCACTCTGAGGCT 1920
DB 1908 AAGCGCTGCTTCTGGTTACAAATTTACAGTGTACTTGTGTTAAACCACTCTGAGGCT 1967
QY 1921 CATATCATGCTCTTAGAAATCCAGGAAAGAGAGATAATGTTGGATTTAAACCTTAAGA 1980
DB 1968 CATATCATGCTCTTAGAAATCCAGGAAAGAGAGATAATGTTGGATTTAAACCTTAAGA 2027
QY 1981 GTTCTAACCATGCTTCTAATGATGACATATGCAAAATCCATAGCTCAATAAAGATC 2040
DB 2028 GTTCTAACCATGCTTCTAATGATGACATATGCAAAATCCATAGCTCAATAAAGATC 2087
QY 2041 TGATACTTAGACCAAAAGCAATTCGTTCTTCAACCAATCTGTATGATATATAGCA 2100
DB 2088 TGATACTTAGACCAAAAGCAATTCGTTCTTCAACCAATCTGTATGATATATAGCA 2147

QY 2101 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAAGTACACATATTT 2160
DB 2148 AAATGAAAGAGAACTTAAATGAACACAGCTCTTTAAACATGGTTTCAAGTACACATATTT 2207
QY 2161 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATTAATAGCTAGCTATTTACTGCACTA 2220
DB 2208 TGACCCCAAGTGGATATTTTCTTAAACCAATCAATTAATAGCTAGCTATTTACTGCACTA 2267
QY 2221 TAAATCTGGATATAGAAAGGAGACCTGTATCAACCTGCTTTTGTAGTGTGTTTTCATAA 2280
DB 2268 TAAATCTGGATATAGAAAGGAGACCTGTATCAACCTGCTTTTGTAGTGTGTTTTCATAA 2327
QY 2281 CAACCTTATGACTAAAAATATCACACTGAATAAGAGAGAGATGCGCAGGTATTTTCTA 2340
DB 2328 CAACCTTATGACTAAAAATATCACACTGAATAAGAGAGAGATGCGCAGGTATTTTCTA 2387
QY 2341 TTTCTCTCTTAAATTTTATATGATATAGATATATTTTGGCTTATATTTCTAAGTCACTAA 2400
DB 2388 TTTCTCTCTTAAATTTTATATGATATAGATATATTTTGGCTTATATTTCTAAGTCACTAA 2447
QY 2401 GTACTTAAAGCTTAAAGTGTGTAAGTATTTTACTGCTTATATAACATTTTAAAGACAAA 2460
DB 2448 GTACTTAAAGCTTAAAGTGTGTAAGTATTTTACTGCTTATATAACATTTTAAAGACAAA 2507
QY 2461 GACATTTCAAATAACTGCAAGAAAAATATTTAGTGTGAATATTTAAGCAATAAACTGC 2520
DB 2508 GACATTTCAAATAACTGCAAGAAAAATATTTAGTGTGAATATTTAAGCAATAAACTGC 2567
QY 2521 TAGTGAGTATTTGT 2534
DB 2568 TAGTGAGTATTTGT 2581

RESULT 7
PCT-US00-14619-4
; Sequence 4, Application PC/TUS0014619
; GENERAL INFORMATION:
; APPLICANT: Brigham and Women's Hospital
; TITLE OF INVENTION: METHODS OF DIAGNOSIS AND TREATMENT OF MENIERE DISEASE
; FILE REFERENCE: 10286/010W01
; CURRENT APPLICATION NUMBER: PCT/US00/14619
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/136,008
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 2534
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (57)...(1706)
PCT-US00-14619-4

Query Match 99.9%; Score 2532.4; DB 1; Length 2534;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2533; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 GCACTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCTTATCAGTCACCATGT 60
DB 1 GCACTCGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCTTATCAGTCACCATGT 60
QY 61 CCGCAGCTTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
DB 61 CCGCAGCTTGGATCCCGGCTCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGGCTCGG 120
QY 121 CGGCGACGAGGAGCGCGCTCCCATGCTTATCAGATGTTTACCAGAGCTTGGACATCA 180
DB 121 CGGCGACGAGGAGCGCGCTCCCATGCTTATCAGATGTTTACCAGAGCTTGGACATCA 180
QY 181 GGAAAGAGAAAGCAGATGTCCTCTGCCAGGGGCTGCCCTCTTGAGGAATTCCTGTGT 240

Db 181 GGAAAGAGAAAGCAGATGTCCTCTGCCCCAGGGGTGCCCCCTCTTGAGGAATCTCTGTGT 240
Qy 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAG 300
Db 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGCTGTCCACAGGGGAG 300
Qy 301 TAATCAGCAACTCAGGGGGAACCTGTACGAGTCTATAGCCTACCTGTGTCGAGAAAACTATT 360
Db 301 TAATCAGCAACTCAGGGGGAACCTGTACGAGTCTATAGCCTACCTGTGTCGAGAAAACTATT 360
Qy 361 CCTCAGTAGATGCCAATGGGCATCCAGTCTCAATGCTTTCTAGATGCTCTCTTTTCA 420
Db 361 CCTCAGTAGATGCCAATGGGCATCCAGTCTCAATGCTTTCTAGATGCTCTCTTTTCA 420
Qy 421 CAGTAACTAAAGGCAAAAGTAGTACACAGAGGGCCACAGCAAGCAGTGTCCACAGCAC 480
Db 421 CAGTAACTAAAGGCAAAAGTAGTACACAGAGGGCCACAGCAAGCAGTGTCCACAGCAC 480
Qy 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAAAGAACTGGCAATAAAGATT 540
Db 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAAAGAACTGGCAATAAAGATT 540
Qy 541 GTAAAGCAGACATTCGATTTCTGATTCATGGAAGCTTTAATATTTGGCGAGCGCGATTTA 600
Db 541 GTAAAGCAGACATTCGATTTCTGATTCATGGAAGCTTTAATATTTGGCGAGCGCGATTTA 600
Qy 601 ATTTACAGAGAATTTTGTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC 660
Db 601 ATTTACAGAGAATTTTGTGGAAAAGTGGCTCTAATGTTGGGAATTTGGAAACAGAGGAC 660
Qy 661 CACATGTGGGCTTGTCAAGCCAGTGAAACATCCCAAAATPAGAATTTTACTTGA AAAACT 720
Db 661 CACATGTGGGCTTGTCAAGCCAGTGAAACATCCCAAAATPAGAATTTTACTTGA AAAACT 720
Qy 721 TTACATCAGCCAAAGATGTTTGTGTCATTAAGGAAGTAGTTTCAGAGGGGGTAATT 780
Db 721 TTACATCAGCCAAAGATGTTTGTGTCATTAAGGAAGTAGTTTCAGAGGGGGTAATT 780
Qy 781 CCAATACAGAAAGCCTTCAGCATACTCTCAGAAATTTCTCAGCGTAGATGCTGGAG 840
Db 781 CCAATACAGAAAGCCTTCAGCATACTCTCAGAAATTTCTCAGCGTAGATGCTGGAG 840
Qy 841 TAAGAAAGGGATCCCAAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 900
Db 841 TAAGAAAGGGATCCCAAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 900
Qy 901 TCGAGGAAGCAGGATTTGTGGCCAGAGATTTGGTGTCAATGATTTATAGTTTCTGTGG 960
Db 901 TCGAGGAAGCAGGATTTGTGGCCAGAGATTTGGTGTCAATGATTTATAGTTTCTGTGG 960
Qy 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTTCAGGATGTCACATTTGTTGACAAGGCTG 1020
Db 961 CCAAGCCTATCCCTGAAGAACTGGGATGTTTCAGGATGTCACATTTGTTGACAAGGCTG 1020
Qy 1021 TCTGTCCGAATTAATGGCTTCTCTTACACATGCCCAACTGGTTGGCAACCAAAAT 1080
Db 1021 TCTGTCCGAATTAATGGCTTCTCTTACACATGCCCAACTGGTTGGCAACCAAAAT 1080
Qy 1081 ACGTAAAGCCTCTGGTACAGAGCTGTGCACTCATGAAACAAATGATGTGAGCAAGACCT 1140
Db 1081 ACGTAAAGCCTCTGGTACAGAGCTGTGCACTCATGAAACAAATGATGTGAGCAAGACCT 1140
Qy 1141 GTTATTAATCAGTGAACATTTCTTAATTCATGATGCTCCAGCAGTGTGGAGATGCA 1200
Db 1141 GTTATTAATCAGTGAACATTTCTTAATTCATGATGCTCCAGCAGTGTGGAGATGCA 1200
Qy 1201 ATTTCCGCTCATGCTTGAATTTGTTTCCAACTAGCCAAAGACTTTTGAATCTCGACA 1260
Db 1201 ATTTCCGCTCATGCTTGAATTTGTTTCCAACTAGCCAAAGACTTTTGAATCTCGACA 1260
Qy 1261 TTGGTGCCAAAGATAGCTGTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1320
Db 1261 TTGGTGCCAAAGATAGCTGTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1320

Qy 1321 CTGACTATAGCAACCAAGAGAAATGTCTAGCTCTCATCAGAAACATCCGCTATATGAGTG 1380
Db 1321 CTGACTATAGCAACCAAGAGAAATGTCTAGCTCTCATCAGAAACATCCGCTATATGAGTG 1380
Qy 1381 GTGGAAACAGTACTGTGTGATGCCATTTCTTCTACGTGTAGAAATGTGTTGGCCCTATAA 1440
Db 1381 GTGGAAACAGTACTGTGTGATGCCATTTCTTCTACGTGTAGAAATGTGTTGGCCCTATAA 1440
Qy 1441 GGGAGAGCCCCCAACAAAGAACTTCTAGTAATTTGTACAGATGGGAGTCTCTATGATGATG 1500
Db 1441 GGGAGAGCCCCCAACAAAGAACTTCTAGTAATTTGTACAGATGGGAGTCTCTATGATGATG 1500
Qy 1501 TCCAAAGCCCTGTCAGCTGTCACATGATGCAAGAACTCACTATCTCTCTGTTGGTGTGG 1560
Db 1501 TCCAAAGCCCTGTCAGCTGTCACATGATGCAAGAACTCACTATCTCTCTGTTGGTGTGG 1560
Qy 1561 CTTGGGCACTCTGGAATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTT 1620
Db 1561 CTTGGGCACTCTGGAATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTT 1620
Qy 1621 TCTTCAAGAGAGATTTACAGGATTAAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTT 1680
Db 1621 TCTTCAAGAGAGATTTACAGGATTAAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTT 1680
Qy 1681 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAAACATTTTGA CAACCTGAAAGAAAAGT 1740
Db 1681 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAAACATTTTGA CAACCTGAAAGAAAAGT 1740
Qy 1741 ACAAGGGATCCAGTGTGTAATTTGTTCTCATAATCTGTAATGCTTAAAGTCTTCTAGCATAC 1800
Db 1741 ACAAGGGATCCAGTGTGTAATTTGTTCTCATAATCTGTAATGCTTAAAGTCTTCTAGCATAC 1800
Qy 1801 AATCAGATCAAAACATTTAAGTATGTCAACGCCAATTTAGGCAATAAGCACTCTCTTTA 1860
Db 1801 AATCAGATCAAAACATTTAAGTATGTCAACGCCAATTTAGGCAATAAGCACTCTCTTTA 1860
Qy 1861 AAGCCCTGCTCTCTGTTACAAATTTACAGTGTACTTTTGTAAAAACACCTGCTGAGGCTT 1920
Db 1861 AAGCCCTGCTCTCTGTTACAAATTTACAGTGTACTTTTGTAAAAACACCTGCTGAGGCTT 1920
Qy 1921 CATATCATGGCTCTTTAGAAAACCTCAGGAAAGAGAGATTAATGTGGATTTAAAACTTAAGA 1980
Db 1921 CATATCATGGCTCTTTAGAAAACCTCAGGAAAGAGAGATTAATGTGGATTTAAAACTTTAAGA 1980
Qy 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
Db 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTCATAGCTCAATAAAGATC 2040
Qy 2041 TGATACTTAGACCAAAAGCAACATTCGTTCTCTTAACCAATTTCTGATTTGATTTATTAAGCA 2100
Db 2041 TGATACTTAGACCAAAAGCAACATTCGTTCTCTTAACCAATTTCTGATTTGATTTATTAAGCA 2100
Qy 2101 AAATGAAAAGAGAAACCTTAAATGAACA CAGCTCTTTAAACATGTTTCAGGTTCAGGTACATATTT 2160
Db 2101 AAATGAAAAGAGAAACCTTAAATGAACA CAGCTCTTTAAACATGTTTCAGGTTCAGGTACATATTT 2160
Qy 2161 TGACCCCAAGTGGATATTTTCTTAAAAACCAATCAATTAATAGCTAGCTATTACTGCAGACTA 2220
Db 2161 TGACCCCAAGTGGATATTTTCTTAAAAACCAATCAATTAATAGCTAGCTATTACTGCAGACTA 2220
Qy 2221 TAAATCTCGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA 2280
Db 2221 TAAATCTCGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAA 2280
Qy 2281 CAACTTATGACTAAAAATATCACTGAATAAGAGAGCAGGATTCAGGATTTTCTA 2340
Db 2281 CAACTTATGACTAAAAATATCACTGAATAAGAGAGCAGGATTCAGGATTTTCTA 2340
Qy 2341 TTTCTCTCTTAAATTTTATATGATATATATTTGGCTTATATTTCTAAGTCACCTAA 2400
Db 2341 TTTCTCTCTTAAATTTTATATGATATATATTTGGCTTATATTTCTAAGTCACCTAA 2400

[illegible]

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; APPLICANT: Lal, Preeti
; APPLICANT: Diep, Dinh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; TITLE OF INVENTION: Polynucleotide Sequence Databases, and Single Nucleotide Polymor
; FILE REFERENCE: GX-0007 P
; CURRENT APPLICATION NUMBER: US/60/172,360
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 29838
; SOFTWARE: PERL Program
; SEQ ID NO 28218
; LENGTH: 2556
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 213027.2
US-60-172-360-28218

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Query Match	99.9%	Score	2530.8	DB	86	Length	2556	
Best Local Similarity	99.9%	Pred. No.	0					
Matches	2532	Conservative	0	Mismatches	2	Indels	0	Gaps
Qy	1	GCAC	CTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT	60				
Db	23	GCAC	CTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGT	82				
Qy	61	CCG	CAGCCTTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTCTGCTGCTGCCGGGCCCG	120				
Db	83	CCG	CAGCCTTGGATCCCGGCTCTCGGCTCTCGGTGTGTCTGTCTGCTGCTGCCGGGCCCG	142				
Qy	121	CGGC	CAGCAGGAGCGGCTCCCATTTGCTATCACATGTTTACACAGGCTTGGACATCA	180				
Db	143	CGGC	CAGCAGGAGCGGCTCCCATTTGCTATCACATGTTTACACAGGCTTGGACATCA	202				
Qy	181	GGA	AGAGAAGCAGATGTCCTCTGCCAGGGGGCTGCCCTCTTAGAGGAATCTCTGTGT	240				
Db	203	GGA	AGAGAAGCAGATGTCCTCTGCCAGGGGGCTGCCCTCTTAGAGGAATCTCTGTGT	262				
Qy	241	ATG	GGAACATAGTATATGCTTCTGTATCGAGCANATGTGGGGTGTCTGCCAGGGGAG	300				
Db	263	ATG	GGAACATAGTATATGCTTCTGTATCGAGCANATGTGGGGTGTCTGCCAGGGGAG	322				
Qy	301	TAAT	CAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACTCTGTCGAGAAAACTATT	360				
Db	323	TAAT	CAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACTCTGTCGAGAAAACTATT	382				
Qy	361	CCT	CAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTCTAGATGCTCTGCTTCTTCA	420				
Db	383	CCT	CAGTAGATGCCAATGGCATCCAGTCTCAAAATGCTTCTAGATGCTCTGCTTCTTCA	442				
Qy	421	CAG	TAACTAAAGCAAAAGTAGTATACAGAGGCCACAGGACAGCAGTGTCCACAGCAC	480				
Db	443	CAG	TAACTAAAGCAAAAGTAGTATACAGAGGCCACAGGACAGCAGTGTCCACAGCAC	502				
Qy	481	ATC	CACCACACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	540				
Db	503	ATC	CACCACACAGGTAAACGACTAAAGAAAAACCCGAGAGAAAACTGGCAATAAAGATT	562				
Qy	541	GTA	AGCAGACATTCGATTTCTGATTTGATGGAAGCTTTTAATATTTGGCAGCGCCGATTTA	600				
Db	563	GTA	AGCAGACATTCGATTTCTGATTTGATGGAAGCTTTTAATATTTGGCAGCGCCGATTTA	622				
Qy	601	ATT	TACAGAGAAATTTGTTGGAAAAGTGCCTTAATGTTGGGAAATTTGNAACAGAGGAC	660				
Db	623	ATT	TACAGAGAAATTTGTTGGAAAAGTGCCTTAATGTTGGGAAATTTGNAACAGAGGAC	682				
Qy	661	CAC	ATGTGGGCCCTTGTTCAGGCCAGTGAAATCCCAAAATAGAAATTTTACTTGGAAAACT	720				
Db	683	CAC	ATGTGGGCCCTTGTTCAGGCCAGTGAAATCCCAAAATAGAAATTTTACTTGGAAAACT	742				
Qy	721	TTA	CATCAGCCAAAGATGTTTTTGGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATT	780				
Db	743	TTA	CATCAGCCAAAGATGTTTTTGGCCATAAAGGAAGTAGGTTTTCAGAGGGGGTAAATT	802				

Db 1488 GGGAGAGCCCCCAACAGAACTTCCTAGTAATGTGCAGATGGGCACTCCTATGATGATG 1547
QY TCCAAAGCCCTGCGAGCTGCGCATGATGAGGAATCACTATCTCTCTGTTGGTGTGG 1560
Db 1548 TCCAAAGCCCTGCGAGCTGCGCATGATGAGGAATCACTATCTCTCTGTTGGTGTGG 1607
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Db 1608 CTGGGCACTCTGGATGACCTGAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTT 1667
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Db 1668 TCTTCAAGAGAGTTCACAGGATTAAGAACCAATGTTCTGATGTCATCAGAGGCAATTT 1727
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Db 1728 GTAGAGATTTCTTGAATCCAGCAATAATGGTAACATTTTGACCACTGAAAGAAAAGT 1787
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Db 1788 ACAAGGGATCCAGTGTGTAATTTGTAATCTCTCAATACTCAATGCTTTAGCATACTAG 1847
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Db 1848 AATCAGATACAAACTATTAAGTATGTCACAGCCATTTAGGCAATAAAGCACTCCTTTA 1907
QY AAGCGCTGCTCTCGTGTACAAATTTACAGTGTACTTTGTTAAACACACTGCTGAGGCTT 1920
Db 1908 AAGCGCTGCTCTCGTGTACAAATTTACAGTGTACTTTGTTAAACACACTGCTGAGGCTT 1967
QY CATAATCATGGCTCTTGAACACTCAGGAAAGAGGAGATAATGTGGATTAACAACTTAAAG 1980
Db 1968 CATAATCATGGCTCTTGAACACTCAGGAAAGAGGAGATAATGTGGATTAACAACTTAAAG 2027
QY GTTCTAACCATGCTCTAAATGTAAGATGTAAGATGTAAGATGTAAGATGTAAGATGTAAG 2040
Db 2028 GTTCTAACCATGCTCTAAATGTAAGATGTAAGATGTAAGATGTAAGATGTAAGATGTAAG 2087
QY TGATCTTACAGCAAAAGCAACTTCTGCTCTTAAACCATTTCTGATGATTAATAGCA 2100
Db 2088 TGATCTTACAGCAAAAGCAACTTCTGCTCTTAAACCATTTCTGATGATTAATAGCA 2147
QY AAATGAAAAGAGAACTTAAATGAAACACAGCTCTTTAAACATGTTTCAAGTACACATATTT 2160
Db 2148 AAATGAAAAGAGAACTTAAATGAAACACAGCTCTTTAAACATGTTTCAAGTACACATATTT 2207
QY TGACCCAAAGTGGATATTTTCTTAAACCAATCAATATAGCTAGCTATTAAGTACAGACTA 2220
Db 2208 TGACCCAAAGTGGATATTTTCTTAAACCAATCAATATAGCTAGCTATTAAGTACAGACTA 2267
QY TAAATCTGGATATAGAAAGGAGCCTGTATCAACCTGTTTGTAGTGTGTTTCTATAA 2280
Db 2268 TAAATCTGGATATAGAAAGGAGCCTGTATCAACCTGTTTGTAGTGTGTTTCTATAA 2327
QY CAACCTATGACTAAAAATATCACACTGAATAAGAGAGCAGATTTGCCAGGTATTTTCTA 2340
Db 2328 CAACCTATGACTAAAAATATCACACTGAATAAGAGAGCAGATTTGCCAGGTATTTTCTA 2387
QY TTTCTCTCCTTAATTTTAT 2400
Db 2388 TTTCTCTCCTTAATTTTAT 2447
QY GTACTTAAAGTAAAGTGTGTAAGTATTAAGTATTAAGTATTAAGTATTAAGTATTAAGTAT 2460
Db 2448 GTACTTAAAGTAAAGTGTGTAAGTATTAAGTATTAAGTATTAAGTATTAAGTATTAAGTAT 2507
QY GACATTTCAATTAAGTGTGTAAGTATTAAGTATTAAGTATTAAGTATTAAGTATTAAGTAT 2520
Db 2508 GACATTTCAATTAAGTGTGTAAGTATTAAGTATTAAGTATTAAGTATTAAGTATTAAGTAT 2567
QY TAGTGAGTTATTTGT 2534
|||||

Db 2568 TAGTGAGTTATTTGT 2581

RESULT 12

US-60-455-444-3929
; Sequence 3929, Application US/60455444
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001455
; CURRENT APPLICATION NUMBER: US/60/455,444
; NUMBER OF SEQ ID NOS: 2003-03-18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3929
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-455-444-3929

Query Match 99.8%; Score 2530; DB 115; Length 2581;

Best Local Similarity 99.8%; Pred. No. 0;
Matches 2524; Conservative 10; Mismatches 0; Indels 0; Gaps 0;
QY 1 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGCGTGTGAGCAGCCTTATCAGTCACCATGT 60
Db 48 GCACCTCGGCGCAGCGGGTGGATCTCGAGCAGCGTGTGAGCAGCCTTATCAGTCACCATGT 107
QY 61 CGCAGCCTGGATCCCGGCTCTCGGCTCGGTGTGTGTCTGTCTGTCTGCTGCGCGGGGCCG 120
Db 108 CGCAGCCTGGATCCCGGCTCTCGGCTCGGTGTGTGTCTGTCTGTCTGCTGCGCGGGGCCG 167
QY 121 CGGCGCAGCGAGGAGCGCTCCCATTTGCTATCACTGTTTACAGAGGCTTGAACATCA 180
Db 168 CGGCGCAGCGAGGAGCGCTCCCATTTGCTATCACATGTTTACAGAGGCTTGAACATCA 227
QY 181 GGAAAGAGAAAGCAGATGCTCTGCCAGGGGGCTGCCCTCTTGAAGGAATCTCTGTGT 240
Db 228 GGAAAGAGAAAGCAGATGCTCTGCCAGGGGGCTGCCCTCTTGAAGGAATCTCTGTGT 287
QY 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCAGGGGAG 300
Db 288 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGGCTGTCTCCAGGGGAG 347
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Db 348 TAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTACCTGTGCGAGAAAATATT 407
QY 361 CCTCAGTAGATGCCAATGGCCTCAGTCTCAATGCTTTCTAGATGCTGTCTTCTTTCA 420
Db 408 CCTCAGTAGATGCCAATGGCCTCAGTCTCAATGCTTTCTAGATGCTGTCTTCTTTCA 467
QY 421 CAGTAACTAAAGGCAAAAGTAGTATACAGAGGCCACAGGAGCAGTGTCCAGAGCAC 480
Db 468 CAGTAACTAAAGGCAAAAGTAGTATACAGAGGCCACAGGAGCAGTGTCCAGAGCAC 527
QY 481 ATCCACCAACAGGTAAACGACTAAAGAAAACCCCGAGAGAAAATCTGGCAATAAAGATT 540
Db 528 ATCCACCAACAGGTAAACGACTAAAGAAAACCCCGAGAGAAAATCTGGCAATAAAGATT 587
QY 541 GTAAAGCAGACATTCGATTTCTGATGATGGAAGCTTTAATATTGGGCGAGCCGATTTA 600
Db 588 GTAAAGCAGACATTCGATTTCTGATGATGGAAGCTTTAATATTGGGCGAGCCGATTTA 647
QY 601 ATTTACAGAAAGATTTGTTGGAAGAGTGGCTCTAATGTTGGAAATTTGAAACAGAGGAC 660
Db 648 ATTTACAGAAAGATTTGTTGGAAGAGTGGCTCTAATGTTGGAAATTTGAAACAGAGGAC 707
QY 661 CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTCTTGAAGAACT 720
Db 708 CACATGTGGGCTTGTTCAGGCCAGTGAAACATCCCAAAATAGAAATTTTCTTGAAGAACT 767

Qy 721 TTAATCAGCAAGGATGTTTGTGTCATTAAGGAGTGGTTTCAGAGGGGTAAAT 780
Db 768 TTAATCAGCAAGGATGTTTGTGTCATTAAGGAGTGGTTTCAGAGGGGTAAAT 827
Qy 781 CCAATACAGGAAAGCCTTGAAGCATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAG 840
Db 828 CCAATACAGGAAAGCCTTGAAGCATACCTGCTCAGAAATTTCTTACGGTAGATGCTGGAG 887
Qy 841 TAAGAAAGGGATCCCAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 900
Db 888 TAAGAAAGGGATCCCAAGTGGTGGTATTTATTTGATGGTGGCCCTTCTGATGACA 947
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Db 948 TCGAGGAAGCAGGATGTCGGCAGAGAGTTGGTGTCAATGTATTTATAGTTTCTGTGG 1007
Qy 961 CCAAGCCTATCCCTGAAGAACTGGGATGGTTCAGGATGTCAATTTGTTGACAGGCTG 1020
Db 1008 CCAAGCCTATCCCTGAAGAACTGGGATGGTTCAGGATGTCAATTTGTTGACAGGCTG 1067
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Db 1068 TCTGTCCGAATAATGGCTTCTTCTTACCAATGCCCACTGGTGGTGGCCACCAAAAT 1127
Qy 1081 ACGTAAAGCCTTGGTACAGAGGTGTGCACTCATGAACTAATGTATGTCAGCAGACCT 1140
Db 1128 AYGTAAGCCTTGGTACAGAGGTGTGCACTCATGAACTAATGTATGTCAGCAGACCT 1187
Qy 1141 GTTATAACTCAGTGAACATTCCTTCTAATTCAGTGGCTCCAGCAGTGTGGAGATAGCA 1200
Db 1188 GTTATAACTCAGTGAACATTCCTTCTAATTCAGTGGCTCCAGCAGTGTGGAGATAGCA 1247
Qy 1201 ATTTCCGCTCATGCTTGAATTTGTTTCCAACTAGCCAAAGACTTTTGAATCTCGGACA 1260
Db 1248 ATTTCCGCTCATGCTTGAATTTGTTTCCAACTAGCCAAAGACTTTTGAATCTCGGACA 1307
Qy 1261 TTGTTGCAAGATGCTGCTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1320
Db 1308 TTGTTGCAAGATGCTGCTGACAGTTTACTTATGATCAGCGCAGGAGTTCAGTTTCA 1367
Qy 1321 CTGACTATAGCACCAGAGAGATGCTCCTAGCTGTCTATCAGAAATCCGCTATATGAGTG 1380
Db 1368 CTGATATAGCACCAGAGAGATGCTCCTAGCTGTCTATCAGAAATCCGCTATATGAGTG 1427
Qy 1381 GTGAAACAGTACTGGTGATGCCATTTCTTCTAGTGTAGAAATGTGTTGGCCCTATAA 1440
Db 1428 GTGAAACAGTACTGGTGATGCCATTTCTTCTAGTGTAGAAATGTGTTGGCCCTATAA 1487
Qy 1441 GGGAGAGCCCAACAGAACTTCTAGTATTTGTCAGATGGGAGTCCCTATGATGATG 1500
Db 1488 GGGAGAGCCCAACAGAACTTCTAGTATTTGTCAGATGGGAGTCCCTATGATGATG 1547
Qy 1501 TCCAGGCGCTGACGCTGCTGACATGATGAGGAATCACTATCTTCTGTGTTGGTGG 1560
Db 1548 TCCAGGCGCTGACGCTGCTGACATGATGAGGAATCACTATCTTCTGTGTTGGTGG 1607
Qy 1561 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT 1620
Db 1608 CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTTAAACCGAAGGAGTCTCATGCTT 1667
Qy 1621 TCTTCAAGAGAGTTTCAAGATTTAGAACCAATTTCTGATGTCATCAGAGGCAATTT 1680
Db 1668 TCTTCAAGAGAGTTTCAAGATTTAGAACCAATTTCTGATGTCATCAGAGGCAATTT 1727
Qy 1681 GTAGAGATTTCTTGAATCCAGCAATAATGGTAACTTTTGAACACTGAAAGAAAAGT 1740
Db 1728 GTAGAGATTTCTTGAATCCAGCAATAATGGTAACTTTTGAACACTGAAAGAAAAGT 1787
Qy 1741 ACAAGGGATCAGTGTGTAATTTGTTTCTCATTAATGCTGAAATGCTTTAGCATCTAG 1800
Db 1788 ACAAGGGATCAGTGTGTAATTTGTTTCTCATTAATGCTGAAATGCTTTAGCATCTAG 1847

Qy 1801 AATCAGATACAAACTATTAGTAGTGTCAACAGCCATTTAGGCAAAATAAGCACTCCTTTA 1860
Db 1848 AATCAGATACAAACTATTAGTAGTGTCAACAGCCATTTAGGCAAAATAAGCACTCCTTTA 1907
Qy 1861 AAGCGCTGCTTCTGGTTTACAATTTACAGTGTACTTGTGTTTAAAAACACTGCTGAGGCTT 1920
Db 1908 AAGCGCTGCTTCTGGTTTACAATTTACAGTGTACTTGTGTTTAAAAACACTGCTGAGGCTT 1967
Qy 1921 CATATCATGCTCTTAGAACTCAGGAAGAGAGATATGTGGATTTAAACCTTAAGA 1980
Db 1968 CATATCATGCTCTTAGAACTCAGGAAGAGAGATATGTGGATTTAAACCTTAAGA 2027
Qy 1981 GTTCTAAACCATGCTTAAATGTACAGATATGCAAAATCCATAGCTCAATAAAGAAATC 2040
Db 2028 GTTCTAAACCATGCTTAAATGTACAGATATGCAAAATCCATAGCTCAATAAAGAAATC 2087
Qy 2041 TGATACTTAGACCAAAAGCAACATTCGTTCTTAAACCAATCAATGATTTATATAAGCA 2100
Db 2088 TGATACTTAGACCAAAAGCAACATTCGTTCTTAAACCAATCAATGATTTATATAAGCA 2147
Qy 2101 AAAAGAAAGAGAACTTAAATGAACACAGCTCTTAAACCAATCAATGATTTATATAAGCA 2160
Db 2148 AAAAGAAAGAGAACTTAAATGAACACAGCTCTTAAACCAATCAATGATTTATATAAGCA 2207
Qy 2161 TGACCAAGTGGATATTTTCTTAAACCAATCAATGATTTATATAAGCACTA 2220
Db 2208 TGACCAAGTGGATATTTTCTTAAACCAATCAATGATTTATATAAGCACTA 2267
Qy 2221 TAAATCTGGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCAATA 2280
Db 2268 TAAATCTGGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCAATA 2327
Qy 2281 CAACTTATGACTTAAATATCACTGAATAGAGAGAGGATTCAGGATTTTCTTCTA 2340
Db 2328 CAACTTATGACTTAAATATCACTGAATAGAGAGAGGATTCAGGATTTTCTTCTA 2387
Qy 2341 TTTCTCTCTTAAATTTAT 2400
Db 2388 TTTCTCTCTTAAATTTAT 2447
Qy 2401 GTACTTAAAGTAAAGTTGGTAAAGTATTTACTGCTCTTAAAGTAAAGTAAAGTAAAGTAA 2460
Db 2448 GTACTTAAAGTAAAGTTGGTAAAGTATTTACTGCTCTTAAAGTAAAGTAAAGTAAAGTAA 2507
Qy 2461 GACATTTCAAATAAAGTAAAGTAAAGTATTTGTAGTGTGAAATTTTAAAGTAAAGTAAAGT 2520
Db 2508 GACATTTCAAATAAAGTAAAGTAAAGTATTTGTAGTGTGAAATTTTAAAGTAAAGTAAAGT 2567
Qy 2521 TAGTGAGTTATTGT 2534
Db 2568 TAGTGAGTTATTGT 2581

RESULT 13
US-60-465-241-3929
; Sequence 3929, Application US/60465241
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: BEGOVICH, Ann
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: RHEUMATOID ARTHRITIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001468
; CURRENT APPLICATION NUMBER: US/60/465,241
; CURRENT FILING DATE: 2003-04-23
; NUMBER OF SEQ ID NOS: 258418
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3929
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-60-465-241-3929
Query Match 99.8%; Score 2530; DB 116; Length 2581;

[illegible]

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QY 2161 TGACCCAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTTACTCGACACTA 2220
Db 2208 TGACCCAGTGGATATTTCTTAAACCAATCAATATAGCTAGCTATTTACTCGACACTA 2267
QY 2221 TAAATCTGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCATAA 2280
Db 2268 TAAATCTGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTCATAA 2327
QY 2281 CAATCTATGACTAAAAATATCACTGAATTAAGAGAGAGATGCGAGGTATTTTCTA 2340
Db 2328 CAATCTATGACTAAAAATATCACTGAATTAAGAGAGAGATGCGAGGTATTTTCTA 2387
QY 2341 TTTCTCCTTAATTTATATGATATAGATATATTTGGCTTATATTTAAGTCACCTAA 2400
Db 2388 TTTCTCCTTAATTTATATGATATAGATATATTTGGCTTATATTTAAGTCACCTAA 2447
QY 2401 GTACTTAAAGTTAAAGTTGGTAAAGTATTTACTGACTGCTTATAAAACATTTAAAGACAA 2460
Db 2448 GTACTTAAAGTTAAAGTTGGTAAAGTATTTACTGACTGCTTATAAAACATTTAAAGACAA 2507
QY 2461 GACATTTCAATTAACATGCAAGAAAAATATTTGTAGTTGAAATTTAAGCAATAAAACTGC 2520
Db 2508 GACATTTCAATTAACATGCAAGAAAAATATTTGTAGTTTGAATATTTAAGCAATAAAACTGC 2567
QY 2521 TAGTGAGTTATCT 2534
Db 2568 TAGTGAGTTATCT 2581

RESULT 14
US-60-466-412-7348
; Sequence 7348, Application US/60466412
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: IAKOUBOVA, Olga
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001466
; CURRENT APPLICATION NUMBER: US/60/466,412
; CURRENT FILING DATE: 2003-04-30
; NUMBER OF SEQ ID NOS: 429241
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 7348
; LENGTH: 2581
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-60-466-412-7348

Query Match 99.8%; Score 2530; DB 116; Length 2581;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2524; Conservative 10; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTTATCAGTCACCATGT 60
Db 48 GCACCTCGGGCGCAGCGGGTGGATCTCGAGCAGGTGTGAGCAGCCTTATCAGTCACCATGT 107
QY 61 CCGCAGCCTTGATCCCGGCTCTCGGCTCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 120
Db 108 CCGCAGCCTTGATCCCGGCTCTCGGCTCGGTGTGTCTGTCTGTCTGTCTGTCTGTCTGTCTGT 167
QY 121 CCGGCAGCAGGAGGCGGCTCCCATTTGCTATCATATGTTTATACAGAGGCTTGGACATCA 180
Db 168 CCGGCAGCAGGAGGCGGCTCCCATTTGCTATCATATGTTTATACAGAGGCTTGGACATCA 227
QY 181 GGAAGAGAAAGCAGATGCTCTGCCCCAGGGGCTGCCCTCTTGAGGAATTTCTGTGT 240
Db 228 GGAAGAGAAAGCAGATGCTCTGCTGCAAGGGGCTGCCCTCTTGAGGAATTTCTGTGT 287
QY 241 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGCTGTCTGTCTGTCTGTCTGT 300
Db 288 ATGGGAACATAGTATATGCTTCTGTATCGAGCATATGTGGGCTGTCTGTCTGTCTGTCTGT 347
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QY 301 TAAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTATAGCCTACCTGTGTCAGAAAACTATT 360
Db 348 TAAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCCTATAGCCTACCTGTGTCAGAAAACTATT 407
QY 361 CCTCAGTACATGCCATGCCATCCAGTCTCAATGCTTTCTAGATGCTTCTGCTTCTTTTCA 420
Db 408 CCTCAGTACATGCCATGCCATCCAGTCTCAATGCTTTCTAGATGCTTCTGCTTCTTTTCA 467
QY 421 CAGTAACTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGCAAGCAGTGTCCACAGCAC 480
Db 468 CAGTAACTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGCAAGCAGTGTCCACAGCAC 527
QY 481 ATCCACCAACAGGTAAACGACTAAAGAAAAACAACCCGAGAGAAAACTGGCAATAAAGATT 540
Db 528 ATCCACCAACAGGTAAACGACTAAAGAAAAACAACCCGAGAGAAAACTGGCAATAAAGATT 587
QY 541 GTAAAGCAGACATGTCATTTCTGATTTGATGGAAGCTTTTAATATTGGGCAAGCCCGATTTA 600
Db 588 GTAAAGCAGACATGTCATTTCTGATTTGATGGAAGCTTTTAATATTGGGCAAGCCCGATTTA 647
QY 601 ATTTACAGAAAGATTTTGTGGAAGAGTGCTCTAATGTTGGAAATTTGGAACAGAAAGAC 660
Db 648 ATTTACAGAAAGATTTTGTGGAAGAGTGCTCTAATGTTGGAAATTTGGAACAGAAAGAC 707
QY 661 CACATGTGGGCTTGTTCAGGCCAGTGBACATCCCAATATAGATTTTACTTTGAAAAACT 720
Db 708 CACATGTGGGCTTGTTCAGGCCAGTGBACATCCCAATATAGATTTTACTTTGAAAAACT 767
QY 721 TTACATCAGCCAAAGATGTTTGTGTCATAAAGAGTAGGTTTCAGAGGGGGTAATT 780
Db 768 TTACATCAGCCAAAGATGTTTGTGTCATAAAGAGTAGGTTTCAGAGGGGGTAATT 827
QY 781 CCAATACAGGAAAGCCTTGAAGCATATCTGTCAGAAATTTCTCAGGTPAGATGCTGGAG 840
Db 828 CCAATACAGGAAAGCCTTGAAGCATATCTGTCAGAAATTTCTCAGGTPAGATGCTGGAG 887
QY 841 TAAAGAAAGGATCCCAAGGCTGCTGATTTTATGATGTTGGCTTCTGATGACA 900
Db 888 TAAAGAAAGGATCCCAAGGCTGCTGATTTTATGATGTTGGCTTCTGATGACA 947
QY 901 TCAGGAAAGCAGGCAATGTTGGCCAGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGG 960
Db 948 TCAGGAAAGCAGGCAATGTTGGCCAGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGG 1007
QY 961 CCAAGCCTATCCCTGAAGAACTGGGGATGTTTCAGATGTCACTTTGTTGACAAGGCTG 1020
Db 1008 CCAAGCCTATCCCTGAAGAACTGGGGATGTTTCAGATGTCACTTTGTTGACAAGGCTG 1067
QY 1021 TCTGTGGAATAATGCTTCTTCTTACCATCCCACTGTTTGGCACCACAAAT 1080
Db 1068 TCTGTGGAATAATGCTTCTTCTTACCATCCCACTGTTTGGCACCACAAAT 1127
QY 1081 ACGTAAAGCCTCTGTTACAGAACTGTGCACTCATGAAACAAATGATGTGACAGACCT 1140
Db 1128 ACGTAAAGCCTCTGTTACAGAACTGTGCACTCATGAAACAAATGATGTGACAGACCT 1187
QY 1141 GTTATACTCAGTGAACATTTGCTTTCTAATTTGATGGCTCCAGCAGTGTGAGATAGCA 1200
Db 1188 GTTATACTCAGTGAACATTTGCTTTCTAATTTGATGGCTCCAGCAGTGTGAGATAGCA 1247
QY 1201 ATTTCCGGCTCATGCTGAAATTTGTTTCCACATAGCAAGACTTTTGAAATCTCGGACA 1260
Db 1248 ATTTCCGGCTCATGCTGAAATTTGTTTCCACATAGCAAGACTTTTGAAATCTCGGACA 1307
QY 1261 TTGTGTCGAAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCACGAGTTTCAGTTTCA 1320
Db 1308 TTGTGTCGAAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCACGAGTTTCAGTTTCA 1367
QY 1321 CTGACTATAGCAACCAAGAGATGCTGTAGCTGTCTCATCAGAAACATCCGCTATATAGTG 1380
Db 1368 CTGACTATAGCAACCAAGAGATGCTGTAGCTGTCTCATCAGAAACATCCGCTATATAGTG 1427
QY 1381 GTGGAAACAGCTACTGCTGTATGCCATTTCTCTCACTGTTAGAAATGTGTTTGGCCCTATAA 1440
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Db 1428 GTGGAACAGCTACTGGTGATGCCATTTCCCTTCTACTGTAGAAATGTGTGGCCCTATAA 1487
Qy 1441 GGGAGAGCCCAACAGAACTTCTAGTAATTTCTCAGATGGCAGTCTATGATGATG 1500
Db 1488 GGGAGAGCCCAACAGAACTTCTAGTAATTTCTCAGATGGCAGTCTATGATGATG 1547
Qy 1501 TCCAAGGCCCTGCAGCTGCTGCACATGATGAGGAATCACTATCTTCTGTGTGGTGG 1560
Db 1548 TCCAAGGCCCTGCAGCTGCTGCACATGATGAGGAATCACTATCTTCTGTGTGGTGG 1607
Qy 1561 CTTGGGACCTCTGGATGACCTGAAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1608 CTTGGGACCTCTGGATGACCTGAAAGATATGCTTCTAAACCGAAGGAGTCTCATGCTT 1667
Qy 1621 TCTTCAAGAGAGTTCACAGGATTAAGCAATTTCTTCTGATGTCATCAGAGGCATTT 1680
Db 1668 TCTTCAAGAGAGTTCACAGGATTAAGCAATTTCTTCTGATGTCATCAGAGGCATTT 1727
Qy 1681 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAAACATTTTGACAACTGAAAGAAAAGT 1740
Db 1728 GTAGAGATTTCTTAGAATCCAGCAATAATGGTAAACATTTTGACAACTGAAAGAAAAGT 1787
Qy 1741 ACAAGGGATCCAGTGTGTAATTTGATTTCTCAATACTGAAATGCTTTAGCATACTAG 1800
Db 1788 ACAAGGGATCCAGTGTGTAATTTGATTTCTCAATACTGAAATGCTTTAGCATACTAG 1847
Qy 1801 AATCAGATCAAAACTTAATGATGTCACAGCCATTTAGGCAAAATAGCACTCTCTTTA 1860
Db 1848 AATCAGATCAAAACTTAATGATGTCACAGCCATTTAGGCAAAATAGCACTCTCTTTA 1907
Qy 1861 AAGCCGCTGCTTCTGTTACAAATTTACAGTGTACTTTGTTAAACACCTGCTGAGGCTT 1920
Db 1908 AAGCCGCTGCTTCTGTTACAAATTTACAGTGTACTTTGTTAAACACCTGCTGAGGCTT 1967
Qy 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGGAGATATGTGGATTTAAACCTTTAAGA 1980
Db 1968 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGGAGATATGTGGATTTAAACCTTTAAGA 2027
Qy 1981 GTTCTAACCATGCTACTAATGATGACGATATGCAATTTCCATAGCTCAATAAAGATC 2040
Db 2028 GTTCTAACCATGCTACTAATGATGACGATATGCAATTTCCATAGCTCAATAAAGATC 2087
Qy 2041 TGATCTTACACAAAGCAACATTCGTTCTCTTAAACCTTCTGTTTATGATTAATAGCA 2100
Db 2088 TGATCTTACACAAAGCAACATTCGTTCTCTTAAACCTTCTGTTTATGATTAATAGCA 2147
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2160
Db 2148 AAATGAAAAGAGAACTTAAATGAACACACAGCTCTTTAAACATGTTTCAAGGTACACATATTT 2207
Qy 2161 TGACCCCAAGTGGATATTTCTTAAACCAATCAATTAATAGCTAGTATTACTGCAGACTA 2220
Db 2208 TGACCCCAAGTGGATATTTCTTAAACCAATCAATTAATAGCTAGTATTACTGCAGACTA 2267
Qy 2221 TAAATCTGATATAGAAAGGACCTGTATCAACCTGTTTGTAGTGTGTTTCTATTA 2280
Db 2268 TAAATCTGATATAGAAAGGACCTGTATCAACCTGTTTGTAGTGTGTTTCTATTA 2327
Qy 2281 CAATCTATGACTTAAATATATCACTGAAATAGAGAGCAGGATGTCAGGATTTTCTTA 2340
Db 2328 CAATCTATGACTTAAATATATCACTGAAATAGAGAGCAGGATGTCAGGATTTTCTTA 2387
Qy 2341 TTTCTCTCTTAATTTTATATATATATATATTTGGCTTATATTTCTAAGTCACTAA 2400
Db 2388 TTTCTCTCTTAATTTTATATATATATATATTTGGCTTATATTTCTAAGTCACTAA 2447
Qy 2401 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACGTCTTATAAATTTAAGACAAA 2460
Db 2448 GTACTTAAAGTTAAGTTGTAAGTATTTACTGACGTCTTATAAATTTAAGACAAA 2507
Qy 2461 GACATTTCAATTAACGCAGAAAATATTTGATTTGATTTTAAAGCAATTAAGCACTGC 2520

Db 2508 GACATTTCAATTAACGCAGAAAATATTTGATTTGATTTGAATATTTAAGCAATAAACTGC 2567
Qy 2521 TAGTGAGTTATTGT 2534
Db 2568 TAGTGAGTTATTGT 2581
RESULT 15
US-10-940-774-2423
; Sequence 2423, Application US/10940774
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-10-940-774-2423

Query Match 98.9%; Score 2506.2; DB 66; Length 2882;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2508; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 24 TCTCGAGCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
Db 372 TCTCTCCAGGTGTGAGCAGCCTTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 431
Qy 84 GGCCTCGGTGTGTGTCTGTCTGCTGCCGGGCCCCGGGAGCAGGAGGCGGCTCCC 143
Db 432 GGCCTCGGTGTGTGTCTGTCTGCTGCCGGGCCCCGGGAGCAGGAGGCGGCTCCC 491
Qy 144 ATTGCTATCACATGTTTTTACAGAGGCTTTGGACATCAGGAAAGAGAAAGCAGATGTCTC 203
Db 492 ATTGCTATCACATGTTTTTACAGAGGCTTTGGACATCAGGAAAGAGAAAGCAGATGTCTC 551
Qy 204 TGCCCAAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 263
Db 552 TGCCCAAGGGGCTGCCCTCTTGGAGAAATCTCTGTGTATGGGAAACATAGTATATGCTTCT 611
Qy 264 GTATCAGCATATGTGGGCTGTCTGTCCACAGGGAGTATTCAGCAACTCAGGGGACCT 323
Db 612 GTATCAGCATATGTGGGCTGTCTGTCCACAGGGAGTATTCAGCAACTCAGGGGACCT 671
Qy 324 GTACGAGTCTATAGCCTTACCTGTCAGAGAAACTATTCCTCAGTAGTCCCAATGGCATC 383
Db 672 GTACGAGTCTATAGCCTTACCTGTCAGAGAAACTATTCCTCAGTAGTCCCAATGGCATC 731
Qy 384 CAGTCTCAATGCTTTCTAGATGCTGTCTTTTTCACAGTAACTAAAGCAAAAGTAGT 443
Db 732 CAGTCTCAATGCTTTCTAGATGCTGTCTTTTTCACAGTAACTAAAGCAAAAGTAGT 791
Qy 444 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCAGCATCCACCAACAGGTAAACGACTA 503
Db 792 ACACAGAGGCCACAGCAAGCAGTGTCCACAGCAGCATCCACCAACAGGTAAACGACTA 851
Qy 504 AAGAAAACCCCGAGAGAAACTGCAATTAAGATTGTAAAGCAGACATTTGCTTCTG 563
Db 852 AAGAAAACCCCGAGAGAAACTGCAATTAAGATTGTAAAGCAGACATTTGCTTCTG 911
Qy 564 ATTGATGGAAGCTTTTAAATATTGGGACGCGCCGATTTTAAATTTTACAGAAAGATTTTGTGA 623

Db 912 ATTGATGGAAGCTTTAATATATGGCGACGCCGATTAAATTTACAGAAGAAATTTGTTTGG 971
Qy 624 AAGTGGCTCTAATCTTGGAAATTTGGAACAGAGGACCAATGTTGGCCCTTGTTCAGGCC 693
Db 972 AAGTGGCTCTAATCTTGGAAATTTGGAACAGAGGACCAATGTTGGCCCTTGTTCAGGCC 1031
Qy 684 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATACTTTACATCAGCCAAAGATGTTTGG 743
Db 1032 AGTGAACATCCCAAAATAGAAATTTTACTTGAAATACTTTACATCAGCCAAAGATGTTTGG 1091
Qy 744 TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTTCCAATAACAGAAAGCCTTTGAAG 803
Db 1092 TTTGCCATAAGGAAGTAGTGTTCAGAGGGGTAAATTTCCAATAACAGAAAGCCTTTGAAG 1151
Qy 804 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
Db 1152 CATACTGCTCAGAAATTTCTCAGGTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1211
Qy 864 GTGGTGGTATTTATTCATGGTTCGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGCC 923
Db 1212 GTGGTGGTATTTATTCATGGTTCGCCCTTCTGATGACATCGAGGAAGCAGGCATTTGGCC 1271
Qy 924 AGAGATTTGGTGTCAATGTAAATTTATAGTTTCTGTGCCAAGCCTATCCCTGAAGAACTG 983
Db 1272 AGAGATTTGGTGTCAATGTAAATTTATAGTTTCTGTGCCAAGCCTATCCCTGAAGAACTG 1331
Qy 984 GGGATGGTTCAGATGTCATTTGTTGTAAGGCTGTCTGCGGAATTAATGGCTTCTTC 1043
Db 1332 GGGATGGTTCAGATGTCATTTGTTGTAAGGCTGTCTGCGGAATTAATGGCTTCTTC 1391
Qy 1044 TCTTACACATGCCCAACTGGTTTGGCACCAAAAATAGTAAAGCCTCTGGTACAGAA 1103
Db 1392 TCTTACACATGCCCAACTGGTTTGGCACCAAAAATAGTAAAGCCTCTGGTACAGAA 1451
Qy 1104 CTGTGCACTCATGAACAAATAGTGTGCAGCAAGCCTGTATTAATCACTGATGAACATTGCC 1163
Db 1452 CTGTGCACTCATGAACAAATAGTGTGCAGCAAGCCTGTATTAATCACTGATGAACATTGCC 1511
Qy 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTGAAATTT 1223
Db 1512 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTGAAATTT 1571
Qy 1224 GTTTCACACATGCCCAAGCTTTTGAATCTCGGACATTTGGTGCACAGATAGCTGTGA 1283
Db 1572 GTTTCACACATGCCCAAGCTTTTGAATCTCGGACATTTGGTGCACAGATAGCTGTGA 1631
Qy 1284 CAGTTTACTTATGATCAGCGCACGGAGTTCACTGACTATAGCAACCAAGAGAAT 1343
Db 1632 CAGTTTACTTATGATCAGCGCACGGAGTTCACTGACTATAGCAACCAAGAGAAT 1691
Qy 1344 GTCCCTAGCTGTATCAGAAACATCCGCTATATGAGTGTGGAGACAGCTACTGATGTC 1403
Db 1692 GTCCCTAGCTGTATCAGAAACATCCGCTATATGAGTGTGGAGACAGCTACTGATGTC 1751
Qy 1404 ATTTTCCTTCACTGTGTAGAAATGTGTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTC 1463
Db 1752 ATTTTCCTTCACTGTGTAGAAATGTGTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTC 1811
Qy 1464 CTAGTAATTTGTACAGATGGCAGTCTTATGATGATGTCACAGGCCCTCGAGTGTGCA 1523
Db 1812 CTAGTAATTTGTACAGATGGCAGTCTTATGATGATGTCACAGGCCCTCGAGTGTGCA 1871
Qy 1524 CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACCTCTGGATGACCTG 1583
Db 1872 CATGATGAGGAATCACTATCTTCTGTGTGTGGCTTGGGCACCTCTGGATGACCTG 1931
Qy 1584 AAAGATATGGCTTCTAAAACGAGAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1643
Db 1932 AAAGATATGGCTTCTAAAACGAGAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAAGGA 1991
Qy 1644 TTAGAACCAATGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCG 1703
Db 1992 TTAGAACCAATGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCG 2051

Qy 1704 CAATAATGTAACATTTTGCACAACTGAAAGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 1763
Db 2052 CAATAATGTAACATTTTGCACAACTGAAAGAAAGAAAGTACAGGGGATCCAGTGTGTAAAT 2111
Qy 1764 TGTATTTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTTAAAGT 1823
Db 2112 TGTATTTCTCATATACTGAAATGCTTTAGCATACTAGAAATCAGATACAAACATTTAAAGT 2171
Qy 1824 ATGTCAACAGCATTTTAGGCAAAATAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 1883
Db 2172 ATGTCAACAGCATTTTAGGCAAAATAGCACTCTCTTTAAAGCCGCTGCTTCTGGTTACAA 2231
Qy 1884 TTTACAGTGTACTTTTGTTHAAAACACTGCTGAGGCTTCATATATCATGGCTCTTAGAACT 1943
Db 2232 TTTACAGTGTACTTTTGTTHAAAACACTGCTGAGGCTTCATATATCATGGCTCTTAGAACT 2291
Qy 1944 CAGGAAAGAGGAGATAATGCTGATTTAAACCTTTAAGAGTTCCTAACCCATCTACTTAAATG 2003
Db 2292 CAGGAAAGAGGAGATAATGCTGATTTAAACCTTTAAGAGTTCCTAACCCATCTACTTAAATG 2351
Qy 2004 TACAGATATGCAAAATTTCCATAGCTCAATAAAAAGAAATCTGATACTTTAGACCAAAAGCAACA 2063
Db 2352 TACAGATATGCAAAATTTCCATAGCTCAATAAAAAGAAATCTGATACTTTAGACCAAAAGCAACA 2411
Qy 2064 TTTGGTCTCTAACCAATCTGATTTATATATAAGCAAAATGAAAGAGAAACTTTAAATG 2123
Db 2412 TTTGGTCTCTAACCAATCTGATTTATATATAAGCAAAATGAAAGAGAAACTTTAAATG 2471
Qy 2124 AACACAGCTCTTTTAAACATGTTTCAGTACACATATTTTGACCCAAAGTGGATATTTCTTTA 2183
Db 2472 AACACAGCTCTTTTAAACATGTTTCAGTACACATATTTTGACCCAAAGTGGATATTTCTTTA 2531
Qy 2184 AAACCAATCAATPAATAGCTAGCTATTTACTGCAGACTATATAAAATCTGGATATAGAAAGGAG 2243
Db 2532 AAACCAATCAATPAATAGCTAGCTATTTACTGCAGACTATATAAAATCTGGATATAGAAAGGAG 2591
Qy 2244 ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAACAACTTATGACTAAAAAATATCAC 2303
Db 2592 ACCTGTATCAAACTGCTTTTGTAGTGTGTTTTCATAACAACTTATGACTAAAAAATATCAC 2651
Qy 2304 ACTGAAATAGAGAGCAGGATTCAGGATTTTCTATTTCTCTCTCTTAAATTTTATATGT 2363
Db 2652 ACTGAAATAGAGAGCAGGATTCAGGATTTTCTATTTCTCTCTCTTAAATTTTATATGT 2711
Qy 2364 ATATAGATATATTTTGGCTTATATTTCTAAGTCACTTAAGTACCTTAAAGTAAAGTTAGTTGGTAA 2423
Db 2712 ATATAGATATATTTTGGCTTATATTTCTAAGTCACTTAAGTACCTTAAAGTAAAGTTAGTTGGTAA 2771
Qy 2424 AGTATTTTACTGACTGCTTATATAACATTTTAAAGACAAAGCACTTCAAAATNACTGCAGAAA 2483
Db 2772 AGTATTTTACTGACTGCTTATATAACATTTTAAAGACAAAGCACTTCAAAATNACTGCAGAAA 2831
Qy 2484 AAATATTTGTAGTTTGAATATTTAAAGCAATAAACTGCTAGTGTAGTTATGT 2534
Db 2832 AAATATTTGTAGTTTGAATATTTAAAGCAATAAACTGCTAGTGTAGTTATGT 2882

Search completed: August 21, 2005, 15:43:45
Job time : 6397 secs

QY	61	CGCAGCCTGGATCCGGCTCTCGGCCTTCGGCTCGGTGTGTGTCTGTCTGTCTGCTCGCGGGCCG	120
DB			
QY	61	CGCAGCCTGGATCCGGCTCTCGGCCTTCGGCTCGGTGTGTGTCTGTCTGTCTGCTCGCGGGCCG	120
DB			
QY	121	CGGCAGCGGGAGCGCTCCCATGTGCTATCACATGTTTACACAGGCTTGACATCA	180
DB			
QY	121	CGGCAGCGGGAGCGCTCCCATGTGCTATCACATGTTTACACAGGCTTGACATCA	180
DB			
QY	181	GGAAAGAGAAACAGATGCTCTCGCCACGGGGCTGCCCTCTTTGAGGAAATCTCTGTGT	240
DB			
QY	181	GGAAAGAGAAACAGATGCTCTCGCCACGGGGCTGCCCTCTTTGAGGAAATCTCTGTGT	240
DB			
QY	241	ATGGGAACATAGTATATGCTTCTGTATCGACATATGTGGGCTGTCTCCACAGGGAG	300
DB			
QY	241	ATGGGAACATAGTATATGCTTCTGTATCGACATATGTGGGCTGTCTCCACAGGGAG	300
DB			
QY	301	TAAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCTTACCTTGTCTGCAGAAAATATT	360
DB			
QY	301	TAAATCAGCAACTCAGGGGACCTGTACGAGTCTATAGCTTACCTTGTCTGCAGAAAATATT	360
DB			
QY	361	CCTCAGTAGATGCCAATGGCAATCCAGTCTCAAAATGCTTTTAGATGTTCTCTTTTCA	420
DB			
QY	361	CCTCAGTAGATGCCAATGGCAATCCAGTCTCAAAATGCTTTTAGATGTTCTCTTTTCA	420
DB			
QY	421	CAGTAACTTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAC	480
DB			
QY	421	CAGTAACTTAAAGGCAAAAGTAGTACACAGGAGGCCACAGGACAGCAGTGTCCACAGCAC	480
DB			
QY	481	ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAAAGAAATCGGCAATAAAGATT	540
DB			
QY	481	ATCCACCAACAGGTAAACGACTAAAGAAAAACCCCGAGAAAGAAATCGGCAATAAAGATT	540
DB			
QY	541	GTAAGCAGACATTTGCATTTCTGATTCGATGGAAGCTTTAAATTTGGCAGCGCCGATTTA	600
DB			
QY	541	GTAAGCAGACATTTGCATTTCTGATTTGATGGAAGCTTTAAATTTGGCAGCGCCGATTTA	600
DB			
QY	601	ATTTTACAGAGAAATTTTGTGTGAAAAAGTGGCTCTAAATGTTGGGAAATGGGAACAGAGGAC	660
DB			
QY	601	ATTTTACAGAGAAATTTTGTGTGAAAAAGTGGCTCTAAATGTTGGGAAATGGGAACAGAGGAC	660
DB			
QY	661	CACATGTGGGCTTGTTCAGCCAGTGAAACATCCCAAATAGAAATTTTACTTGAAAAACT	720
DB			
QY	661	CACATGTGGGCTTGTTCAGCCAGTGAAACATCCCAAATAGAAATTTTACTTGAAAAACT	720
DB			
QY	721	TTACATCAGCCAAAGATGTTTTGTTTGTGCATAAAGGAAGTAGGTTTCAGAGGGGGTAATT	780
DB			
QY	721	TTACATCAGCCAAAGATGTTTTGTTTGTGCATAAAGGAAGTAGGTTTCAGAGGGGGTAATT	780
DB			
QY	781	CCAAATCAGGAAAAAGCTTGAGCATATCTGCTCAGAAAATCTTCCACGGTAGATGCTGGAG	840
DB			
QY	781	CCAAATCAGGAAAAAGCTTGAGCATATCTGCTCAGAAAATCTTCCACGGTAGATGCTGGAG	840
DB			
QY	841	TAGAAAAGGATCCCAAAGTGTGTGGTATTTATTTGATGTTGGTTGGCTTCTGATGACA	900
DB			
QY	841	TAGAAAAGGATCCCAAAGTGTGTGGTATTTATTTGATGTTGGTTGGCTTCTGATGACA	900
DB			
QY	901	TCGAGGAAGCAGGCATTGTGGCCACAGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGG	960
DB			
QY	901	TCGAGGAAGCAGGCATTGTGGCCACAGAGATTTGGTGTCAATGTATTTATAGTTTCTGTGG	960
DB			
QY	961	CCAAAGCTATCCCTGAAGAACTGGGATGGTTACAGATGTGCATTTGTTGTCAGAGGCTG	1020
DB			
QY	961	CCAAAGCTATCCCTGAAGAACTGGGATGGTTACAGATGTGCATTTGTTGTCAGAGGCTG	1020
DB			
QY	1021	CTGTTCGGAATAATGGCTTCTTCTCTTACACATGCCCAACTGGTTTGGCACCAAAAAT	1080
DB			
QY	1021	CTGTTCGGAATAATGGCTTCTTCTCTTACACATGCCCAACTGGTTTGGCACCAAAAAT	1080
DB			
QY	1081	ACGTAAGCCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCT	1140
DB			
QY	1081	ACGTAAGCCCTCTGGTACAGAGCTGTGCACTCATGAACAAATGATGTGCAGCAAGACCT	1140
DB			

QY	1141	GTTATAACTCAGTGAACATTTGCCCTTTCTAAATTGATGGCTCCAGCAGTGTGTGGAGATAGCA	120
DB	1141	GTTATAACTCAGTGAACATTTGCCCTTTCTAAATTGATGGCTCCAGCAGTGTGTGGAGATAGCA	1200
QY	1201	ATTTCCGGCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGACTTTTGAAATCTCGGACA	1260
DB	1201	ATTTCCGGCTCATGCTTGAATTTGTTTCCAAATAGCCAAAGACTTTTGAAATCTCGGACA	1260
QY	1261	TTGTGTCCAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTTCA	1320
DB	1261	TTGTGTCCAGATAGCTGCTGTACAGTTTACTTATGATCAGCGCACGGAGTTTCAGTTTTCA	1320
QY	1321	CTGACTATAGCACCAAGAGAAATGTCCTAGCTGTCTCATCAGAAACATCCGCTATATGAGTG	1380
DB	1321	CTGACTATAGCACCAAGAGAAATGTCCTAGCTGTCTCATCAGAAACATCCGCTATATGAGTG	1380
QY	1381	GTGGAAACAGCTA CTGGTGATGCCATTTCTTTCTCTGTTAGAAATGTTTGGGCCCTATATA	1440
DB	1381	GTGGAAACAGCTA CTGGTGATGCCATTTCTTTCTCTGTTAGAAATGTTTGGGCCCTATATA	1440
QY	1441	GGGAGAGCCCAACAAGAACTTCCTCTAGTAAATGTGTCAAGATGGGCACTCTATGATGATG	1500
DB	1441	GGGAGAGCCCAACAAGAACTTCCTCTAGTAAATGTGTCAAGATGGGCACTCTATGATGATG	1500
QY	1501	TCCAAGGCCCTGCAGCTGCTGCATGATGCAGGAATCACTATCTTCTCTGTTGGTGTGG	1560
DB	1501	TCCAAGGCCCTGCAGCTGCTGCATGATGCAGGAATCACTATCTTCTCTGTTGGTGTGG	1560
QY	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTT	1620
DB	1561	CTTGGGCACTCTGGATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTT	1620
QY	1621	TCITTCACAGAGAGTTTCACAGGATTAAGACCAATTTCTTCTGATGTCAATCAGAGGCATTT	1680
DB	1621	TCITTCACAGAGAGTTTCACAGGATTAAGACCAATTTCTTCTGATGTCAATCAGAGGCATTT	1680
QY	1681	GTAGAGATTTCTTAGAATCCACAGCAATAATGSGTAAATTTTGACAACTGAAAAGAAAAGT	1740
DB	1681	GTAGAGATTTCTTAGAATCCACAGCAATAATGSGTAAATTTTGACAACTGAAAAGAAAAGT	1740
QY	1741	ACAAAGGGATCCAGTGTGTAAATTTGTAATCTCTAATACTGTAATGCTTTTAGCATACTAG	1800
DB	1741	ACAAAGGGATCCAGTGTGTAAATTTGTAATCTCTAATACTGTAATGCTTTTAGCATACTAG	1800
QY	1801	AATCAGATACAAACTATTAAGTATGTCAACAGCCATTTAGGCAATATAGCACTCCTTTA	1860
DB	1801	AATCAGATACAAACTATTAAGTATGTCAACAGCCATTTAGGCAATATAGCACTCCTTTA	1860
QY	1861	AAGCGCTGCTTCTGGTTACAAATTTACAGTGTACTTTGTGTAAACACATCTGTAGGCTTT	1920
DB	1861	AAGCGCTGCTTCTGGTTACAAATTTACAGTGTACTTTGTGTAAACACATCTGTAGGCTTT	1920
QY	1921	CATAATCATGGCTCTTAGAAACTTCAGAAAGAGGAGATAATGTGGATTAAAAACCTTTAAGA	1980
DB	1921	CATAATCATGGCTCTTAGAAACTTCAGAAAGAGGAGATAATGTGGATTAAAAACCTTTAAGA	1980
QY	1981	GTCTAACCATGCTACTATAATGTACAGATATGCAAAATTCATAGCTCAATTAAGAATC	2040
DB	1981	GTCTAACCATGCTACTATAATGTACAGATATGCAAAATTCATAGCTCAATTAAGAATC	2040
QY	2041	TGATACTTAGACCAAAAGCAAACTTCGTTCTCTTAACCATTTCTGTATTTGATTATATAAGCA	2100
DB	2041	TGATACTTAGACCAAAAGCAAACTTCGTTCTCTTAACCATTTCTGTATTTGATTATATAAGCA	2100
QY	2101	AAATGAAAAGAGAAACTTTAAATGAAACACAGCTCTTTTAAACATGGTTCAGGTAACATATTTT	2160
DB	2101	AAATGAAAAGAGAAACTTTAAATGAAACACAGCTCTTTTAAACATGGTTCAGGTAACATATTTT	2160
QY	2161	TGACCCAAAGTGGATATTTTCTTTTAAACCAATCAATAATAGCTATTTACTTCGACACTA	2220
DB	2161	TGACCCAAAGTGGATATTTTCTTTTAAACCAATCAATAATAGCTATTTACTTCGACACTA	2220
QY	2221	TAAATCTGATATAGAAAGGAGACCTGTATCAAACTGCTTTTGTAGTGTGTTTTTCATAA	2280

Db 1381 GTGGAACAGCTACTGGTGATGCCATTCCTTCTCACTGTTAGAAATGTGTTTGGCCCTATAA 1440
Qy 1441 GGGAGAGCCCAACAAGAACTTCTTAGTAATGTGCAGATGGGAGTCTCTATGATGATG 1500
Db 1441 GGGAGAGCCCAACAAGAACTTCTTAGTAATGTGCAGATGGGAGTCTCTATGATGATG 1500
Qy 1501 TCCAAGGCCCTGCAGCTGCTGCACATGATCGAGGAATCACTATCTTCTGTGTTGGTGTGG 1560
Db 1501 TCCAAGGCCCTGCAGCTGCTGCACATGATCGAGGAATCACTATCTTCTGTGTTGGTGTGG 1560
Qy 1561 CTTGGGCACCTCTGGATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Db 1561 CTTGGGCACCTCTGGATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTT 1620
Qy 1621 TCTTCAAGAGAGTTTCAAGAGTTAGAACCAATTTGTTCTGTATGTCATCAGAGGCATTT 1680
Db 1621 TCTTCAAGAGAGTTTCAAGAGTTAGAACCAATTTGTTCTGTATGTCATCAGAGGCATTT 1680
Qy 1681 GTAGAGATTCTTGTAGATCCAGCAATATGTTAACTTTTGAACAATTTTGAACAATTTTGA 1740
Db 1681 GTAGAGATTCTTGTAGATCCAGCAATATGTTAACTTTTGAACAATTTTGAACAATTTTGA 1740
Qy 1741 ACAAGGGATCCAGTGTGTAATTTGTATTTCTCAATACTGAAATGCTTTAGCATACTAG 1800
Db 1741 ACAAGGGATCCAGTGTGTAATTTGTATTTCTCAATACTGAAATGCTTTAGCATACTAG 1800
Qy 1801 AATCAGATACAAACTATTAAAGTATGTCAACAGCCATTTAGGCAAAATAGACCTCTTTA 1860
Db 1801 AATCAGATACAAACTATTAAAGTATGTCAACAGCCATTTAGGCAAAATAGACCTCTTTA 1860
Qy 1861 AAGCGCTGCTTCTGTGTACAAATTTACAGTGACCTTTGTTAAACACCTGCTGAGGCTT 1920
Db 1861 AAGCGCTGCTTCTGTGTACAAATTTACAGTGACCTTTGTTAAACACCTGCTGAGGCTT 1920
Qy 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATAATGTGGATTAAGACCTTAAAG 1980
Db 1921 CATTAATCATGGCTCTTAGAACTCAGGAAAGAGAGATAATGTGGATTAAGACCTTAAAG 1980
Qy 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTTCCATAGCTCAATAAAGAAATC 2040
Db 1981 GTTCTAACCATGCTACTAAATGTACAGATATGCAAAATTTCCATAGCTCAATAAAGAAATC 2040
Qy 2041 TGATACTTAGACAAAGCAACATTCGTTCTCTAACCATTCGTATTTGATTTATATAAGCA 2100
Db 2041 TGATACTTAGACAAAGCAACATTCGTTCTCTAACCATTCGTATTTGATTTATATAAGCA 2100
Qy 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAATGTTTCAAGGTACACATATTT 2160
Db 2101 AAATGAAAAGAGAACTTAAATGAACACAGCTCTTTAAATGTTTCAAGGTACACATATTT 2160
Qy 2161 TGACCCAGTGGATATTTTCTTAAACCAATCAATTAATAGCTAGCTATTTACTGCACTA 2220
Db 2161 TGACCCAGTGGATATTTTCTTAAACCAATCAATTAATAGCTAGCTATTTACTGCACTA 2220
Qy 2221 TAAATCTGATATAGAAAGGAGACCTGTATCAAACTGTTTGTAGTGTTTTCATAA 2280
Db 2221 TAAATCTGATATAGAAAGGAGACCTGTATCAAACTGTTTGTAGTGTTTTCATAA 2280
Qy 2281 CAACCTTATGACTAAAAATATCACTGAATAGAGAGCAGGATGTCAGGTATTTTCTTA 2340
Db 2281 CAACCTTATGACTAAAAATATCACTGAATAGAGAGCAGGATGTCAGGTATTTTCTTA 2340
Qy 2341 TTTCTCTCTTAATTTTATATAGATATATTTGGCTTATTTCTTAAGTCACCTTAA 2400
Db 2341 TTTCTCTCTTAATTTTATATAGATATATTTGGCTTATTTCTTAAGTCACCTTAA 2400
Qy 2401 GTACTTAAAGTTAAGTTGGTAAAGTATTTACTGACTGCTTAAACATTTTAAAGCAAA 2460
Db 2401 GTACTTAAAGTTAAGTTGGTAAAGTATTTACTGACTGCTTAAACATTTTAAAGCAAA 2460
Qy 2461 GACATTTCAAAATACTGCAGAAAAAATATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2520
Db 2461 GACATTTCAAAATACTGCAGAAAAAATATTTGTAGTTTGAATATTTAAGCAATAAACTGC 2520

Qy 2521 TAGTGAGTTATTGT 2534
Db 2521 TAGTGAGTTATTGT 2534

RESULT 3

US-10-940-774A-2423
; Sequence 2423, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2423
; LENGTH: 2882
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-2423

Query Match 98.9%; Score 2506.2; DB 14; Length 2882;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2508; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 24 TCTCCAGCAGAGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 83
Db 372 TCTCTCCAGAGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTGGATCCCGGCTCTC 431
Qy 84 GGCCTCGGTGTGTCTGTCTGTGTCGCGGGGCCCGGGGAGGAGCCGCTCCC 143
Db 432 GGCCTCGGTGTGTCTGTCTGTGTCGCGGGGCCCGGGGAGGAGCCGCTCCC 491
Qy 144 ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAGCAGATGCTCTC 203
Db 492 ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGAGAAAGAGAGCAGATGCTCTC 551
Qy 204 TGCCAGAGGGGCTGCGCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 552 TGCCAGAGGGGCTGCGCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT 611
Qy 264 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAATCAGCAACTCAGGGGGACCT 323
Db 612 GTATCGAGCATATGTGGGGCTGCTGTCCAAGGGAGTAATCAGCAACTCAGGGGGACCT 671
Qy 324 GTACAGGCTATAGCTACCTGTCGAGAAACTTATCTCAGTAGATGCCAATGCGATC 383
Db 672 GTACAGGCTATAGCTACCTGTCGAGAAACTTATCTCAGTAGATGCCAATGCGATC 731
Qy 384 CAGTCTCAATATGCTTTCTAGATGGTCTGCTTTTTCACAGTAATCTAAAGGCCAAAGTAGT 443
Db 732 CAGTCTCAATATGCTTTCTAGATGGTCTGCTTTTTCACAGTAATCTAAAGGCCAAAGTAGT 791
Qy 444 ACACAGGAGGCCACAGGACAAGGAGTGTCCACAGCACATCCACCAACAGGTTAAACGACTA 503
Db 792 ACACAGGAGGCCACAGGACAAGGAGTGTCCACAGCACATCCACCAACAGGTTAAACGACTA 851
Qy 504 AAGAAAAACCCCGAGAGAAACTTGGCAATATAAGATTTCTAAGCAGACATTTGCAATTTCTG 563
Db 852 AAGAAAAACCCCGAGAGAAACTTGGCAATATAAGATTTCTAAGCAGACATTTGCAATTTCTG 911
Qy 564 ATTGATGGAAGCTTTTAATATTATTTGGGAGCGCGGATTTAAATTTTACAGAAATTTTGTGGA 623
Db 912 ATTGATGGAAGCTTTTAATATTATTTGGGAGCGCGGATTTAAATTTTACAGAAATTTTGTGGA 971

QY 624 AAAGTGCTCTAATGTTGGAAATTGGAACAGAAAGGACCAATGCGGCCCTTGTTCAGGCC 683
DB 972 AAAGTGCTCTAATGTTGGAAATTGGAACAGAAAGGACCAATGCGGCCCTTGTTCAGGCC 1031
QY 684 AGTGACATCCCAAAATAGAAATTTACTTGAAAAAATTTCATCAGCCAAAGATGTTTG 743
DB 1032 AGTGAACATCCCAAAATAGAAATTTACTTGAAAAAATTTCATCAGCCAAAGATGTTTG 1091
QY 744 TTGGCCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCCAATCAGGAAAGCCTTGAAG 803
DB 1092 TTGGCCATAAAGGAAGTAGGTTTCAGAGGGGTAAATCCCAATCAGGAAAGCCTTGAAG 1151
QY 804 CATACTGCTCAGAAATTTTCACGGTAGATGCTGGAGTAAGAAAGGGATCCCCAAAGTG 863
DB 1152 CATACTGCTCAGAAATTTTCACGGTAGATGCTGGAGTAAGAAAGGGATCCCCAAAGTG 1211
QY 864 GTGGTGATTTATTTAGTGGTGGCCCTTCGTGACATCGAGGAAGCAGGCATTTGGCC 923
DB 1212 GTGGTGATTTATTTAGTGGTGGCCCTTCGTGACATCGAGGAAGCAGGCATTTGGCC 1271
QY 924 AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAAGACTG 983
DB 1272 AGAGAGTTTGGTGTCAATGATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAAGACTG 1331
QY 984 GGGATGGTTCAGGATGTCAATTTGTTGACAAAGGCTGTCTGTGGGAATATGCTTCTTC 1043
DB 1332 GGGATGGTTCAGGATGTCAATTTGTTGACAAAGGCTGTCTGTGGGAATATGCTTCTTC 1391
QY 1044 TCTTACCAATGCCCCAACTGGTTGGCCACCAAAAATACGTAAGCCTCTGGTACAGAAG 1103
DB 1392 TCTTACCAATGCCCCAACTGGTTGGCCACCAAAAATACGTAAGCCTCTGGTACAGAAG 1451
QY 1104 CTGTGCACTCATGAACAAATGATGTGCAAGACCTGTTATTAACCTCAGTGACATGTC 1163
DB 1452 CTGTGCACTCATGAACAAATGATGTGCAAGACCTGTTATTAACCTCAGTGACATGTC 1511
QY 1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
DB 1512 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1571
QY 1224 GTTTCACAAATAGCCAAAGATTTTGAATCTGGACATGCGGCAAGATGCTGCTGTA 1283
DB 1572 GTTTCACAAATAGCCAAAGATTTTGAATCTGGACATGCGGCAAGATGCTGCTGTA 1631
QY 1284 CAGTTTACTTATGATCAGCCACGGAGTTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 1343
DB 1632 CAGTTTACTTATGATCAGCCACGGAGTTTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 1691
QY 1344 GTCTAGCTGTCTCAGAAACATCCGCTATATGATGCTGGTGGAAACAGCTACTGCTGATGCC 1403
DB 1692 GTCTAGCTGTCTCAGAAACATCCGCTATATGATGCTGGTGGAAACAGCTACTGCTGATGCC 1751
QY 1404 ATTTCTTCTCATGTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1463
DB 1752 ATTTCTTCTCATGTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1811
QY 1464 CTAGTAAATGTCAGATGGGAGTCTCTATGATGATGTCAGGCCCTCGAGCTGCTGCA 1523
DB 1812 CTAGTAAATGTCAGATGGGAGTCTCTATGATGATGTCAGGCCCTCGAGCTGCTGCA 1871
QY 1524 CATGATCAGGAATCCTATCTCTGTTGTTGTTGGCTTTGGGCACCTCTGGATGACCTG 1583
DB 1872 CATGATCAGGAATCCTATCTCTGTTGTTGTTGGCTTTGGGCACCTCTGGATGACCTG 1931
QY 1584 AAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA 1643
DB 1932 AAAGATATGGCTTCTAAACCGAAGAGTCTCATGCTTTTCTTCAAGAGAGTTCACAGGA 1991
QY 1644 TTAGAACCAATGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
DB 1992 TTAGAACCAATGTTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2051

QY 1704 CAATAATGGTAACATTTTGAACAACCTGAAGAAAGAAAGTAACAAGGGATCCAGTGTGTAAAT 1763
DB 2052 CAATAATGGTAACATTTTGAACAACCTGAAGAAAGAAAGTAACAAGGGATCCAGTGTGTAAAT 2111
QY 1764 TGTATTCTCATATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACCTATTAAAGT 1823
DB 2112 TGTATTCTCATATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACCTATTAAAGT 2171
QY 1824 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTCTCTGTTACAA 1883
DB 2172 ATGTCAACAGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTCTCTGTTACAA 2231
QY 1884 TTTACAGTGTATCTTTGTTTAAACACCTGCTGAGGCTTCTAATCATGCTGCTCTTAGAACT 1943
DB 2232 TTTACAGTGTATCTTTGTTTAAACACCTGCTGAGGCTTCTAATCATGCTGCTCTTAGAACT 2291
QY 1944 CAGGAAGAGGAGATATGGAATTAACCTTTAAAGCTTTAAAGCTTCTAACCATGCTCTACTAAATG 2003
DB 2292 CAGGAAGAGGAGATATGGAATTAACCTTTAAAGCTTCTAACCATGCTCTACTAAATG 2351
QY 2004 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTGATCTTTAGACCAAAAGCAACA 2063
DB 2352 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTGATCTTTAGACCAAAAGCAACA 2411
QY 2064 TTCGTTCTCTAACCAATTCGTATTTAATATTAAGCAAAATGAAAGAGAACTTTAAATG 2123
DB 2412 TTCGTTCTCTAACCAATTCGTATTTAATATTAAGCAAAATGAAAGAGAACTTTAAATG 2471
QY 2124 AACACAGCTCTTTAAACATGGTTCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTA 2183
DB 2472 AACACAGCTCTTTAAACATGGTTCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTA 2531
QY 2184 AAACCAATCAATAATAGTAGCTATTACTGCAGACTATAAATCTGGATATAGAAAGGAG 2243
DB 2532 AAACCAATCAATAATAGTAGCTATTACTGCAGACTATAAATCTGGATATAGAAAGGAG 2591
QY 2244 ACCTGTATCAAACTGCTTTGTAGTGTGTTTTTCATACCAACTTATGATGCTTAAATATCAC 2303
DB 2592 ACCTGTATCAAACTGCTTTGTAGTGTGTTTTTCATACCAACTTATGATGCTTAAATATCAC 2651
QY 2304 ACTGAATAGAGAGGAGGATGCGCAGGTATTTTCTATTTCTCTCTTAAATTTATATGT 2363
DB 2652 ACTGAATAGAGAGGAGGATGCGCAGGTATTTTCTATTTCTCTCTTAAATTTATATGT 2711
QY 2364 ATATAGATATTTTGGCTTATATTTCTAAGTCACTTAAGTACTTAAAGTAAAGTGTGTAA 2423
DB 2712 ATATAGATATTTTGGCTTATATTTCTAAGTCACTTAAGTACTTAAAGTAAAGTGTGTAA 2771
QY 2424 AGTATTTACTGACTGCTTATAAACATTTAAAGCAAAAGACATTTCAAATTAACCTGCAGAAA 2483
DB 2772 AGTATTTACTGACTGCTTATAAACATTTAAAGCAAAAGACATTTCAAATTAACCTGCAGAAA 2831
QY 2484 AAATATTTAGTTTGAATATTTAAGCAATAAATCTGCTAGTGTATTTGT 2534
DB 2832 AAATATTTAGTTTGAATATTTAAGCAATAAATCTGCTAGTGTATTTGT 2882

RESULT 4

US-09-904-532B-226
; Sequence 226, Application US/09904532B
; GENERAL INFORMATION:
; APPLICANT: Genentech, Inc.
; APPLICANT: Ashkenazi, Avi
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Baton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Fong, Sherman
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, A.

```
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, Christopher J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Hillan, Kenneth, J.
; APPLICANT: Kijavlin, Ivar J.
; APPLICANT: Mather, Jennie P.
; APPLICANT: Pan, James
; APPLICANT: Peoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William, I.
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: 10466-14
; CURRENT APPLICATION NUMBER: US/09/904,532B
; PRIOR APPLICATION NUMBER: PCT/US00/04414
; PRIOR FILING DATE: 2001-07-13
; PRIOR FILING DATE: 2000-02-22
; PRIOR FILING DATE: 1999-07-07
; PRIOR FILING DATE: 1999-07-26
; PRIOR FILING DATE: 1999-07-28
; PRIOR FILING DATE: 1999-07-28
; PRIOR FILING DATE: 1999-09-08
; PRIOR FILING DATE: 1999-09-13
; PRIOR FILING DATE: 1999-09-15
; PRIOR FILING DATE: 1999-09-15
; PRIOR FILING DATE: 1999-10-05
; PRIOR FILING DATE: 1999-11-29
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 423
; SEQ ID NO 226
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-904-532B-226

Query Match      80.1%; Score 2028.8; DB 6; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      24  TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 83
DB      363  TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGAGCCTGGATCCCGGCTCTC 422

QY      84  GGCTCGGTGTGTCTGCTGCTGCTGCGGGGCCCGGGCAGCGAGCGCGCTCC 143
DB      423  GGCTCGGTGTGTCTGCTGCTGCTGCGGGGCCCGGGCAGCGAGCGCGCTCC 482

QY      144  ATTGCTATCATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 203
DB      483  ATTGCTATCATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGCAGATGTCCTC 542

QY      204  TGCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGTTCT 263
DB      543  TGCCGAGGGGCTGCCCTCTTGAGGAATCTCTGTGTATGGGAACATAGTATGTTCT 602

QY      264  GTATCGAGCATATGTGGGGCTGCTGCTCCAGGGGAGTAAATCAGAACTCAGGGGACCT 323
DB      603  GTATCGAGCATATGTGGGGCTGCTGCTCCAGGGGAGTAAATCAGAACTCAGGGGACCT 662

QY      324  GTACGAGTCTATAGCCTTACCTGTCGAGAAACTATTCCTCAGTAGATGCCAATGCCATC 383
DB      663  GTACGAGTCTATAGCCTTACCTGTCGAGAAACTATTCCTCAGTAGATGCCAATGCCATC 722
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QY      384  CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTCAAGTAACTAAAGCAAAAGTAGT 443
DB      723  CAGTCTCAAAATGCTTTCTAGATGGTCTGCTCTTTTCAAGTAACTAAAGCAAAAGTAGT 782

QY      444  ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCACAGGTAAACGACTA 503
DB      783  ACACAGGAGGCCACAGGACAAGCAGTGTCCACAGCACATCCACCACAGGTAAACGACTA 842

QY      504  AAGAAAAACACCCGAGAGAAAACTTGGCAATAAAGATTGTAAAGCAGACATTTGTCG 563
DB      843  AAGAAAAACACCCGAGAGAAAACTTGGCAATAAAGATTGTAAAGCAGACATTTGTCG 902

QY      564  ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTACAGAAGAAATTTGTGGA 623
DB      903  ATTGATGGAAGCTTTAATAATTGGGCAGCGCCGATTTAATTACAGAAGAAATTTGTGGA 962

QY      624  AAGTGGCTCTAATGTTGGGAATTCGNAACAGAGGACACATGTGGGCCCTTGTTCAGGC 683
DB      963  AAGTGGCTCTAATGTTGGGAATTCGNAACAGAGGACACATGTGGGCCCTTGTTCAGGC 1022

QY      684  AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 743
DB      1023  AGTGAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082

QY      744  TTTGCCATAAAGAAAGTAGGTTTTCAGAGGGGGTAAATTCOAATACAGGAAAGCCTTGAAG 803
DB      1083  TTTGCCATAAAGAAAGTAGGTTTTCAGAGGGGGTAAATTCOAATACAGGAAAGCCTTGAAG 1142

QY      804  CATACTGCTCAGAAATTTCTTACGCTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 863
DB      1143  CATACTGCTCAGAAATTTCTTACGCTAGATGCTGGAGTAAGAAAGGGATCCCAAGTG 1202

QY      864  GTGGTGGTATTTAATTGATGGTTGGCTTCTGATGACATCGAGGAAAGCAGGCATTTGGCC 923
DB      1203  GTGGTGGTATTTAATTGATGGTTGGCTTCTGATGACATCGAGGAAAGCAGGCATTTGGCC 1262

QY      924  AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAGGCCATTCCTGAGAACTG 983
DB      1263  AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAGGCCATTCCTGAGAACTG 1322

QY      984  GGGATGGTTTCAGGATGTCAATTTGTTGACAGGCTGTCTGCGGAATAATGGCTCTTTC 1043
DB      1323  GGGATGGTTTCAGGATGTCAATTTGTTGACAGGCTGTCTGCGGAATAATGGCTCTTTC 1382

QY      1044  TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTTACAGAAG 1103
DB      1383  TCTTACCACATGCCCAACTGGTTTGGCACCAAAAATACGTAAAGCCTCTGTTACAGAAG 1442

QY      1104  CTGTGCACATCAAGAAATGATGTGCAGCAGACCTGTTATACTCAGTGAACATGGCC 1163
DB      1443  CTGTGCACATCAAGAAATGATGTGCAGCAGACCTGTTATACTCAGTGAACATGGCC 1502

QY      1164  TTTCTAAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1223
DB      1503  TTTCTAAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATGCTTGAATTT 1562

QY      1224  GTTTCACACATGACCAAGACTTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGTA 1283
DB      1563  GTTTCACACATGACCAAGACTTTTGAATCTCGGACATTTGGTGGCCAAAGATAGCTGTA 1622

QY      1284  CAGTTTACTTATGATCAGCGCAGGATTCAGTTTCACTGACTATAGCAACCAAGAGAAAT 1343
DB      1623  CAGTTTACTTATGATCAGCGCAGGATTCAGTTTCACTGACTATAGCAACCAAGAGAAAT 1682

QY      1344  GTCTAGTGTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTCTGATGCC 1403
DB      1683  GTCTAGTGTCTCATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTCTGATGCC 1742

QY      1404  ATTTCCCTTCACTGTTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTC 1463
DB      1743  ATTTCCCTTCACTGTTAGAAATGTGTTTGGCCCTTATAAGGGAGAGCCCAACAGAACTTC 1802
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QY 1464 CTAGTAATGTCTACAGATGGGAGTCTCTATGATGATGTCCAGGCCCTCGAGCTGTGCA 1523
Db 1803 CTAGTAATGTCTACAGATGGGAGTCTCTATGATGATGTCCAGGCCCTCGAGCTGTGCA 1862
QY 1524 CATGATCAGGAATCATTCTCTCTGTTGGTGTGGCTTGGGACCTCTGGATGACCTG 1583
Db 1863 CATGATCAGGAATCATTCTCTCTGTTGGTGTGGCTTGGGACCTCTGGATGACCTG 1922
QY 1584 AAGATATGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1643
Db 1923 AAGATATGCTTCTAAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCAACAGGA 1982
QY 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTTAGAAATCCCAG 2042
QY 1704 CAATAATGTTAACTTTTGAACACTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGTTAACTTTTGAACACTGAAAGAAAAGTACAAAGGGATCCAGTGTGTAAT 2102
QY 1764 TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 1823
Db 2103 TGTATTCTCATATACTAGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 2162
QY 1824 ATGTCAACGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTTCTGTTACAA 1883
Db 2163 ATGTCAACGCCATTTAGGCAATAAGCACTCTCTTTAAAGCCGCTGCTTTCTGTTACAA 2222
QY 1884 TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 1943
Db 2223 TTTACAGTGTACTTTGTTAAACACATGCTGAGGCTTCATAATCATGGCTCTTTAGAAACT 2282
QY 1944 CAGGAAGAGGAGATATGGAATTAACAACTTAAAGAGTTCTAACCATGCTCTACTAAATG 2003
Db 2283 CAGGAAGAGGAGATATGGAATTAACAACTTAAAGAGTTCTAACCATGCTCTACTAAATG 2342
QY 2004 TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCCAAAGCAACA 2063
Db 2343 TACAGATATGCAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCCAAAGCAACA 2402

RESULT 5
US-10-184-644-45
; Sequence 45, Application US/10184644
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24

; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ-ID NO 45
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-184-644-45

Query Match 80.1%; Score 2028.8; DB 12; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 24 TCTCGAGCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTTGGATCCCGGCTCTC 83
Db 363 TCTCTCCAGGTGTGAGCAGCCTATCAGTCACCATGTCCGACGCTTGGATCCCGGCTCTC 422

QY 84 GGCCTCGGTGTGTCTGTCTGTCTGTCGCCGGGCCCGCGGCGAGCGAGGAGCGGCTCCC 143
Db 423 GGCCTCGGTGTGTCTGTCTGTCTGTCGCCGGGCCCGCGGCGAGCGAGGAGCGGCTCCC 482

QY 144 ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGACAGATGTCTC 203
Db 483 ATTGCTATCAGATGTTTACAGAGGCTTGGACATCAGGAAAGAGAAAGACAGATGTCTC 542

QY 204 TGCCCGAGGGGCTGCCCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT 263
Db 543 TGCCCGAGGGGCTGCCCTCTTGAGGAATTTCTGTGTATGGGAACATAGTATATGCTTCT 602

QY 264 GTATCGAGCATATGTGGGCTGTCTGTCCAGGGGAGTAAATCAGCAACTCAGGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGCTGTCTGTCCAGGGGAGTAAATCAGCAACTCAGGGGGACCT 662

QY 324 GTACGAGTCTATAGCCTTCTGTCTGAGAAACTATTTCTCAGTAGATGCAATGGCATC 383
Db 663 GTACGAGTCTATAGCCTTCTGTCTGAGAAACTATTTCTCAGTAGATGCAATGGCATC 722

QY 384 CAGTCTCAATGCTTTCTAGATGCTGTCTTTTCCAGAGTAAAGCAAAAGTAGT 443
Db 723 CAGTCTCAATGCTTTCTAGATGCTGTCTTTTCCAGAGTAAAGCAAAAGTAGT 782

QY 444 ACACAGGAGGCCACAGCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 503
Db 783 ACACAGGAGGCCACAGCAAGCAGTGTCCACAGCACATCCACCAACAGGTAAACGACTA 842

QY 504 AAGAAACACCCGAGAGAAACTGGCAATAAAGATGTAAAGCAGACATGTCATTTCTG 563
Db 843 AAGAAACACCCGAGAGAAACTGGCAATAAAGATGTAAAGCAGACATGTCATTTCTG 902

QY 564 ATTGATGGAAGCTTTTAAATATGGGAGCCGCGGATTTTAAATTTACAGAGAAATTTTGGGA 623
Db 903 ATTGATGGAAGCTTTTAAATATGGGAGCCGCGGATTTTAAATTTACAGAGAAATTTTGGGA 962

QY 624 AAGTGGCTCTAATGTGGGAATTTGGAACAGAGGACCAATGTGGGCTTTGTTCAAGCC 683
Db 963 AAGTGGCTCTAATGTGGGAATTTGGAACAGAGGACCAATGTGGGCTTTGTTCAAGCC 1022

QY 684 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 743
Db 1023 AGTGAAACATCCCAAAATAGAAATTTTACTTTGAAAACTTTTACATCAGCCAAAGATGTTTG 1082

QY 744 TTTGCCATAAAGGAGTAGTGTTCAGAGGGGTAAATTTCCAAATACAGAAAGCCTTTGAAG 803
Db 1083 TTTGCCATAAAGGAGTAGTGTTCAGAGGGGTAAATTTCCAAATACAGAAAGCCTTTGAAG 1142

QY 804 CATACTGCTCAGAAATTTCTTTCAGCGGTAGATGCTGGAGTAAGAAAGGATCCCCAAAGTG 863

1143 CATACTGCTCAGAAATTTCTTCA CGGTAGATGCTGGAGTAGAAGAGGATCCCAAGTG 1202
864 GTGGTGTAATTTATGTAGTGTGGCTTCTTGATGACATCGAGGAAGCAGGCATGTGGCC 923
1203 GTGGTGTAATTTATGTAGTGTGGCTTCTTGATGACATCGAGGAAGCAGGCATGTGGCC 1262
924 AGAGAGTTTCGTGTCATGTAATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAGAACTG 983
1263 AGAGAGTTTCGTGTCATGTAATTTATAGTTTCTGTGGCCCAAGCCTATCCCTGAGAACTG 1322
984 GGGATGGTTCCAGGATGTCACATTTGTTGACAAAGGCTGTCTGTGCGAATAATGCTCTTTC 1043
1323 GGGATGGTTCCAGGATGTCACATTTGTTGACAAAGGCTGTCTGTGCGAATAATGCTCTTTC 1382
1044 TCTTACACATGCCCACCTGGTTGGCCACACAAAATACATAAGCTCTTGGTACAGAAG 1103
1383 TCTTACACATGCCCACCTGGTTGGCCACACAAAATACATAAGCTCTTGGTACAGAAG 1442
1104 CTGTGCACTCATGAACAAATGATGTGCGACGACCTGTTATTAATCTCAGTGAACATGGC 1163
1443 CTGTGCACTCATGAACAAATGATGTGCGACGACCTGTTATTAATCTCAGTGAACATGGC 1502
1164 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCTCATGCTTGAATTT 1223
1503 TTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCTCATGCTTGAATTT 1562
1224 GTTTCACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA 1283
1563 GTTTCACATAGCCAGACTTTTGAATCTCGGACATTTGGTCCCAAGATAGCTGTGTA 1622
1284 CAGTTTACTTATGATCAGCCACGAGTTCAGTTTCCAGTCTACCTATATAGCAACCAAGAGAT 1343
1623 CAGTTTACTTATGATCAGCCACGAGTTCAGTTTCCAGTCTACCTATATAGCAACCAAGAGAT 1682
1344 GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGTGTATGCC 1403
1683 GTCTAGCTGTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGTGTATGCC 1742
1404 ATTTCTTCTACTTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1463
1743 ATTTCTTCTACTTTAGAAATGTTTGGCCCTATTAAGGAGAGCCCAACAGAACTTC 1802
1464 CTAGTAATTTGTACAGATGGGAGTCTCTATGATGTCTCAAGGCCCTCAGCTGTGCA 1523
1803 CTAGTAATTTGTACAGATGGGAGTCTCTATGATGTCTCAAGGCCCTCAGCTGTGCA 1862
1524 CATGATGCGAGGAATCACTATCTTCTCTGTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1583
1863 CATGATGCGAGGAATCACTATCTTCTCTGTGGTGTGGCTTGGGCACCTCTGGATGACCTG 1922
1584 AAGATATGGCTTCTTAACCGAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGA 1643
1923 AAGATATGGCTTCTTAACCGAGGAGTCTCATGCTTTCTTCAAGAGAGTTCACAGA 1982
1644 TTAGAACCAATTTCTGATGTCTCAGAGGATTTGTAGAGATTTCTTAGAATCCAG 1703
1983 TTAGAACCAATTTCTGATGTCTCAGAGGATTTGTAGAGATTTCTTAGAATCCAG 2042
1704 CAATAATGTAACATTTTGAACCTGAAAGAAAGTACAAAGGATCCAGTGTGTAAT 1763
2043 CAATAATGTAACATTTTGAACCTGAAAGAAAGTACAAAGGATCCAGTGTGTAAT 2102
1764 TGTATTTCTCATATACCTGAAATGCTTTAGCATACTAGATCAGATACAAACTATTAGT 1823
2103 TGTATTTCTCATATACCTGAAATGCTTTAGCATACTAGATCAGATACAAACTATTAGT 2162
1824 ATGTCAACAGCCATTTAGGCAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 1883
2163 ATGTCAACAGCCATTTAGGCAATAGCACTCTTTTAAAGCCGCTGCTTCTGGTTACAA 2222
1884 TTTAGAGTGTACTTTGTTTAAAAACACTGCTGAGGCTTCAATATCATGCTTCTTAGAACT 1943

2223 TTTACAGTGTACTTTTGTAAAAACACTGCTGAGGCTTCTATATCATGCTTCTTAGAACT 2282
1944 CAGGAAAGAGGAGATTAATGTGGATTAAAAACCTTTAAGAGTTCTTAACCATGCTTCTAAATG 2003
2283 CAGGAAAGAGGAGATTAATGTGGATTAAAAACCTTTAAGAGTTCTTAACCATGCTTCTAAATG 2342
2004 TACAGATATGCAATTTCCATAGTCTCAATAAAGAAATCTGATCTTAGACAAAAGCAACA 2063
2343 TACAGATATGCAATTTCCATAGTCTCAATAAAGAAATCTGATCTTAGACAAAAGCAACA 2402

RESULT 6
US-10-192-007-45
; Sequence 45, Application US/10192007
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C281
; CURRENT APPLICATION NUMBER: US/10/192,007
; CURRENT FILING DATE: 2002-07-09
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 45
; LENGTH: 2403
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-192-007-45

Query Match 80.1%; Score 2028.8; DB 12; Length 2403;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 2033; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

24 TCTCAGCAGGCTGTGAGCAGCCTATCAGTACCAATGTCGAGCCTCGGAGCTCGATCCCGGCTCTC 83
363 TCTCTCCAGGCTGTGAGCAGCCTATCAGTACCAATGTCGAGCCTCGGAGCTCGGCTCTC 422
84 GGCCTCGGTGTGTCTCTGCTGCGGGGCCCGGCGAGCGAGCGAGCCCTCC 143
423 GGCCTCGGTGTGTCTCTGCTGCGGGGCCCGGCGAGCGAGCGAGCCCTCC 482
144 ATTGCTATCATGTTTATCCAGAGGCTTGACATCAGAAAGAGAAAGCAGATGTCCTC 203

Db 483 ATTGCTATCATGTTTTTAACAGAGGCTTGGACATCATGAGAAAGAGAGAGATGCTCT 542
Qy 204 TGCCAGGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGAACATAGTATATGCTTCT 263
Db 543 TGCCAGGGGGCTGCCCTCTTTGAGGAATCTCTGTGTATGGAACATAGTATATGCTTCT 602
Qy 264 GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTATACAGCAACTCAGGGGACCT 323
Db 603 GTATCGAGCATATGTGGGGCTGTCTGTCACAGGGGAGTATACAGCAACTCAGGGGACCT 662
Qy 324 GTACGAGTCTATAGCTACCTGTCGAGGAAATCTATTCCTCAGTAGATGCCATGCTC 383
Db 663 GTACGAGTCTATAGCTACCTGTCGAGGAAATCTATTCCTCAGTAGATGCCATGCTC 722
Qy 384 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTACAGTAATCTAAAGCAAAAGTAGT 443
Db 723 CAGTCTCAAAATGCTTTCTAGATGCTCTGCTTTCTTTTACAGTAATCTAAAGCAAAAGTAGT 782
Qy 444 ACAAGAGGCCACAGGACAGAGTGTCCACAGCAATCCACACAGGTAAACGACTA 503
Db 783 ACAAGAGGCCACAGGACAGAGTGTCCACAGCAATCCACACAGGTAAACGACTA 842
Qy 504 AAGAAACACCCGAGAGAAATCGSCAATAAGATGTAAAGCAGACATGCTTCTG 563
Db 843 AAGAAACACCCGAGAGAAATCGSCAATAAGATGTAAAGCAGACATGCTTCTG 902
Qy 564 ATTGATGGAAGCTTTAAATATGGGACGCGCGGATTTAAATTTACAGGAATTTTGTGGA 623
Db 903 ATTGATGGAAGCTTTAAATATGGGACGCGCGGATTTAAATTTACAGGAATTTTGTGGA 962
Qy 624 AAAGTGCTCTAATTTGGGAATTTGGAACAGAGGACCAATGCTGGGCTTTGTCAGCC 683
Db 963 AAAGTGCTCTAATTTGGGAATTTGGAACAGAGGACCAATGCTGGGCTTTGTCAGCC 1022
Qy 684 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACCTTTTACATCAGCCAAAGATGTTG 743
Db 1023 AGTGAACATCCCAAAATAGAAATTTACTTGAAAACCTTTTACATCAGCCAAAGATGTTG 1082
Qy 744 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAAATTTCCAAATACAGGAAAGCTTGAAG 803
Db 1083 TTTGCCATAAGGAAGTAGGTTTCAGAGGGGTAAATTTCCAAATACAGGAAAGCTTGAAG 1142
Qy 804 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGATG 863
Db 1143 CATACTGCTCAGAAATTTCTTACGGTAGATGCTGGAGTAAAGAAAGGATCCCAAGATG 1202
Qy 864 GTGGTGTAATTTATGATGTTGGCTTCTGATGACATCAGGAAGCAGGATGTTGGCC 923
Db 1203 GTGGTGTAATTTATGATGTTGGCTTCTGATGACATCAGGAAGCAGGATGTTGGCC 1262
Qy 924 AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 983
Db 1263 AGAGAGTTTGGTGTCAATGTAATTTATAGTTTCTGTGGCCAAAGCTATCCCTGAAGAACTG 1322
Qy 984 GGGATGGTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTGCGAATATGCTTCTTTC 1043
Db 1323 GGGATGGTTCAGGATGTCAATTTGTTGACAGGCTGTCTGTGCGAATATGCTTCTTTC 1382
Qy 1044 TCTTACCATGATGCTGCTGTTGGACACACAAAATACGTAAGGCTCTGGTACAGAAG 1103
Db 1383 TCTTACCATGATGCTGCTGTTGGACACACAAAATACGTAAGGCTCTGGTACAGAAG 1442
Qy 1104 CTGTGCACTACGAAACAAATGATGTGACAGACCTGTTTATAACTCAGTGAACATTGCC 1163
Db 1443 CTGTGCACTACGAAACAAATGATGTGACAGACCTGTTTATAACTCAGTGAACATTGCC 1502
Qy 1164 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1223
Db 1503 TTTCTAATTTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCCTCATGCTTGAATTT 1562
Qy 1224 GTTTCACCATAGCAGACTTTTGAATCTCGCAATGCTGCAAGATGCTGCTGTA 1283
Db 1563 GTTTCACCATAGCAGACTTTTGAATCTCGCAATGCTGCAAGATGCTGCTGTA 1622

Qy 1284 CAGTTTACTTATGATCAGGCGACGAGTTTCAGTTTTCAGTACTATAGCAACCAAGAGAAT 1343
Db 1623 CAGTTTACTTATGATCAGGCGACGAGTTTCAGTTTTCAGTACTATAGCAACCAAGAGAAT 1682
Qy 1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGTGGAAACAGTACTGTGTATGCC 1403
Db 1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATAGTGTGGAAACAGTACTGTGTATGCC 1742
Qy 1404 ATTTCTCTCAGTGTAGAAATGTGTTGGCCCTATAGGGAGAGCCCAACAAAGAACTTC 1463
Db 1743 ATTTCTCTCAGTGTAGAAATGTGTTGGCCCTATAGGGAGAGCCCAACAAAGAACTTC 1802
Qy 1464 CTAGTAATTTGTTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGTCAGCTGTGCA 1523
Db 1803 CTAGTAATTTGTTCACAGATGGGAGTCTCTATGATGATGTCCTCAAGGCCCTGTCAGCTGTGCA 1862
Qy 1524 CATGATGCGAAGTAATCTATCTTCTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG 1583
Db 1863 CATGATGCGAAGTAATCTATCTTCTCTGTGTGTGGCTTGGGCACTCTCTGGATGACCTG 1922
Qy 1584 AAGATATGGCTTCTTAAACCGAGGAGTCTCATGCTTTCTTTCACAGAGAGTTCACAGGA 1643
Db 1923 AAGATATGGCTTCTTAAACCGAGGAGTCTCATGCTTTCTTTCACAGAGAGTTCACAGGA 1982
Qy 1644 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 1703
Db 1983 TTAGAACCAATTTGTTCTGATGTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCAG 2042
Qy 1704 CAATAATGTGTAACTTTTGAACCTGAAAGAAAGTAAAGGGATCCAGTGTGTAAT 1763
Db 2043 CAATAATGTGTAACTTTTGAACCTGAAAGAAAGTAAAGGGATCCAGTGTGTAAT 2102
Qy 1764 TGTAATCTCATATAGTAAATGCTTTTACATAGTAAATCAGATCAAACTATTAAAT 1823
Db 2103 TGTAATCTCATATAGTAAATGCTTTTACATAGTAAATCAGATCAAACTATTAAAT 2162
Qy 1824 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTGCTTCTGTTACAA 1883
Db 2163 ATGTCAACAGCAATTTAGGCAATTAAGCACTCTCTTTAAAGCCGCTGCTTCTGTTACAA 2222
Qy 1884 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCAATCATGGCTCTTTAGAACT 1943
Db 2223 TTTACAGTGTACTTTGTTTAAACACTGCTGAGGCTTCAATCATGGCTCTTTAGAACT 2282
Qy 1944 CAGGAAGAGGAGATTAATGTTGATTAACCTTAAGCTTAAGCTTAAGCTTAAGCTTAAGCT 2003
Db 2283 CAGGAAGAGGAGATTAATGTTGATTAACCTTAAGCTTAAGCTTAAGCTTAAGCTTAAGCT 2342
Qy 2004 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2063
Db 2343 TACAGATATGCAAAATTCATAGCTCAATAAAGAAATCTGATCTTAGACCAAAAGCAACA 2402

RESULT 7

US-180-554-45

; Sequence 45, Application US/10180554

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C148

; CURRENT APPLICATION NUMBER: US/10/180,554

1383 TCCTACCATGCCCAACTGGTTGGCCACCAACAAATACGTAAAGCCTCTGGTACAGAAG 1442
1104 CTGTGCACTCATGAACAAATGATGTGACGACGACCTGTTATTAACCTCAGTGAACATTGCC 1163
1443 CTGTGCACTCATGAACAAATGATGTGACGACGACCTGTTATTAACCTCAGTGAACATTGCC 1502
1164 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT 1223
1503 TTTCTAATTGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCCTCATGCTTGAATTT 1562
1224 GTTTCACATAGCAAGACTTTTGAATCTCGACATTTGGTCCCAAGATAGCTGCTGTA 1283
1563 GTTTCACATAGCAAGACTTTTGAATCTCGACATTTGGTCCCAAGATAGCTGCTGTA 1622
1284 CAGTTTACTTATGATCAGCCGACGGAGTTCAGTTTCACTACTATAGCAACCAAGAGAT 1343
1623 CAGTTTACTTATGATCAGCCGACGGAGTTCAGTTTCACTACTATAGCAACCAAGAGAT 1682
1344 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1403
1683 GTCTAGCTGTCTATCAGAAACATCCGCTATATGAGTGGTGGAAACAGCTACTGCTGATGCC 1742
1404 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1463
1743 ATTTCTTCTACTGTAGAAATGTGTTGGCCCTATTAAGGAGAGCCCAACAAAGAACTTC 1802
1464 CTAGTAATTTGTCACAGATGGCAGTCTATGATGATGTCCAAGCCCTGCAGCTGCTGCA 1523
1803 CTAGTAATTTGTCACAGATGGCAGTCTATGATGATGTCCAAGCCCTGCAGCTGCTGCA 1862
1524 CATGATGACGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGCACCTCTGGAATGACCTG 1583
1863 CATGATGACGGAATCACTATCTTCTCTGTTGGTGTGGCTTTGGGCACCTCTGGAATGACCTG 1922
1584 AAGATATGCTTCTTAACCGAAGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAACAGA 1643
1923 AAGATATGCTTCTTAACCGAAGAGTCTCATGCTTTCTTCAACAGAGAGTTTCAACAGA 1982
1644 TTAGAACCATTGTTCTGATGTCATCAGAGGCAATTTGATAGATTTCTTAGAATCCCAG 1703
1983 TTAGAACCATTGTTCTGATGTCATCAGAGGCAATTTGATAGATTTCTTAGAATCCCAG 2042
1704 CAATAATGTPAACATTTTGCAACTGAAGGAAAGTCAAGGGGATCCAGTGTGTAAT 1763
2043 CAATAATGTPAACATTTTGCAACTGAAGGAAAGTCAAGGGGATCCAGTGTGTAAT 2102
1764 TGTATTCTCATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 1823
2103 TGTATTCTCATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTAAAT 2162
1824 ATGTCAACAGCCATTAGGCAATAAGCACTCCTTTAAAGCCGCTGCCCTTCTGGTTACAA 1883
2163 ATGTCAACAGCCATTAGGCAATAAGCACTCCTTTAAAGCCGCTGCCCTTCTGGTTACAA 2222
1884 TTTACAGTGTACTTTGTTAAACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 1943
2223 TTTACAGTGTACTTTGTTAAACACTGCTGAGGCTTCATAATCATGGCTCTTAGAACT 2282
1944 CAGGAAGAGGAGATTAATGTGGATTAACACCTTAAGAGTTCTAACCATGCCCTACTAAATG 2003
2283 CAGGAAGAGGAGATTAATGTGGATTAACACCTTAAGAGTTCTAACCATGCCCTACTAAATG 2342
2004 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTTAGACCAAAAGCAACA 2063
2343 TACAGATATGCAATTTCCATAGCTCAATAAAGAACTCTGATCTTTAGACCAAAAGCAACA 2402

RESULT 9

US-10-940-774A-12323
; Sequence 12323, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/10/940,774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12323
; LENGTH: 20059
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-12323

Query Match 39.6%; Score 1004.4; DB 14; Length 20059;
Best Local Similarity 99.9%; Pred. No. 2.2e-242;
Matches 1005; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1529 TGCAGGAATCACTATCTTCTCTGTTGGTGTGGCACCCTCTGGATGACCTGAAGA 1588
DB 17054 TGTAGGAATCACTATCTTCTCTGTTGGTGTGGCACCCTCTGGATGACCTGAAGA 17113
QY 1589 TATGGCTTTCAACCGAAGAGTCTCATGCTTTTCTTCAACAGAGAGTTTCAAGGATTA 1648
DB 17114 TATGGCTTTCAACCGAAGAGTCTCATGCTTTTCTTCAACAGAGAGTTTCAAGGATTA 17173
QY 1649 ACCAATTTGTTCTGATGTCTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAGCAATA 1708
DB 17174 ACCAATTTGTTCTGATGTCTCATCAGAGGCAATTTGTAGAGATTTCTTAGAATCCCAGCAATA 17233
QY 1709 ATGTGTAACATTTTGAACAACTGAAGGAAAGTACAGGGGATCCAGTGTGTAATTTGTAT 1768
DB 17234 ATGTGTAACATTTTGAACAACTGAAGGAAAGTACAGGGGATCCAGTGTGTAATTTGTAT 17293
QY 1769 TCTCATATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTTAAGTATGTC 1828
DB 17294 TCTCATATATCTGAAATGCTTTAGCATACTAGAAATCAGATACAAACTATTTAAGTATGTC 17353
QY 1829 AACAGCCATTTAGGCAATAAGCACTCCTTTAAAGCCGCTGCTTCTGGTTACAAATTTAC 1888
DB 17354 AACAGCCATTTAGGCAATAAGCACTCCTTTAAAGCCGCTGCTTCTGGTTACAAATTTAC 17413
QY 1889 AGTGTACTTTGTAAAAACACTGCTGAGGCTTCATAATCATGGCTCTTTAGAAACTCAGGA 1948
DB 17414 AGTGTACTTTGTAAAAACACTGCTGAGGCTTCATAATCATGGCTCTTTAGAAACTCAGGA 17473
QY 1949 AAGAGGAGATTAATGTGGATTAACAACTTAAGAGTTCTAACCATGCCCTACTTAATGTACAG 2008
DB 17474 AAGAGGAGATTAATGTGGATTAACAACTTAAGAGTTCTAACCATGCCCTACTTAATGTACAG 17533
QY 2009 ATATGCAAAATTCATAGCTCAATAAAGAAATCTGATACTTAGACCAAAAGCAACATTCGT 2068
DB 17534 ATATGCAAAATTCATAGCTCAATAAAGAAATCTGATACTTAGACCAAAAGCAACATTCGT 17593
QY 2069 TCTCTAAACATTTCTGTATTTGATTTATTAAGCAAAATGAAAAAGAGAACTTAAATGAACAC 2128
DB 17594 TCTCTAAACATTTCTGTATTTGATTTATTAAGCAAAATGAAAAAGAGAACTTAAATGAACAC 17653
QY 2129 AGCTCTTTAAACATGTTTCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTTAAACC 2188
DB 17654 AGCTCTTTAAACATGTTTCAGGTACACATATTTTGACCCCAAGTGGATATTTCTTTAAACC 17713
QY 2189 AATCAATAATAGCTAGCTATTACTGCAGACTATATAAATCTGGATATAGAAAGGAGACCTG 2248
DB 17714 AATCAATAATAGCTAGCTATTACTGCAGACTATATAAATCTGGATATAGAAAGGAGACCTG 17773
QY 2249 TATCAAACTGCTTTTGTAGTGTGTTTTCATTAACAACTTATGATCAAAAATATCACACTGA 2308
DB 17774 TATCAAACTGCTTTTGTAGTGTGTTTTCATTAACAACTTATGATCAAAAATATCACACTGA 17833


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QY 1589 TATGGCTCTTAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGATTAGA 1648
Db 17138 TATGGCTCTTAACCGAAGAGTCTCATGCTTTCTTCAAGAGAGTTTCACAGATTAGA 17197
QY 1649 ACCAATTTGTTCTGATGTCATCAGAGCATTTGTAGAGATTCTTGAATCCAGCAATA 1708
Db 17198 ACCAATTTGTTCTGATGTCATCAGAGCATTTGTAGAGATTCTTGAATCCAGCAATA 17257
QY 1709 ATGGTAACATTTTGACAACCTGAAAGAAAAAGTCAAGGGGATCCAGTGTGTAAATTTGTAT 1768
Db 17258 ATGGTAACATTTTGACAACCTGAAAGAAAAAGTCAAGGGGATCCAGTGTGTAAATTTGTAT 17317
QY 1769 TCTCATTAATTAAGTAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGTATGTC 1828
Db 17318 TCTCATTAATTAAGTAATGCTTTAGCATACTAGAAATCAGATACAAAATTAAGTATGTC 17377
QY 1829 AACAGCCATTTTAGGCAATAAAGCACTCTTTAAAGCGCTCTCTGGTTTCAAAATTTAC 1888
Db 17378 AACAGCCATTTTAGGCAATAAAGCACTCTTTAAAGCGCTCTCTGGTTTCAAAATTTAC 17437
QY 1889 AGTGTAATTTGTTAAAAAACACTGCTGAGGCTTCATAATCATGGCTCTTGAATACTCAGGA 1948
Db 17438 AGTGTAATTTGTTAAAAAACACTGCTGAGGCTTCATAATCATGGCTCTTGAATACTCAGGA 17497
QY 1949 AAGGAGAGATAATGCGATTAAACCTTAAGAGTCTTAACCATGCCCTACTAAATGTACAG 2008
Db 17498 AAGGAGAGATAATGCGATTAAACCTTAAGAGTCTTAACCATGCCCTACTAAATGTACAG 17557
QY 2009 ATATGCAAAATCCATAGCTCAATAAAGAAATCTGTACTTTAGACCAAAAGCAACATTCGT 2068
Db 17558 ATATGCAAAATCCATAGCTCAATAAAGAAATCTGTACTTTAGACCAAAAGCAACATTCGT 17617
QY 2069 TCTCTAACCAATCTGTATTGATTATTAAGCAAAATGAAAGAAACTTTAAATGAACAC 2128
Db 17618 TCTCTAACCAATCTGTATTGATTATTAAGCAAAATGAAAGAAACTTTAAATGAACAC 17677
QY 2129 AGCTCTTTAAACATGTTTCAGGTACACATATTTTGACCCAGTGGATATTTCTTAAACC 2188
Db 17678 AGCTCTTTAAACATGTTTCAGGTACACATATTTTGACCCAGTGGATATTTCTTAAACC 17737
QY 2189 AATCAATAATPAGCTAGCTATTACTGCGAGACTATAAATCTGGATATAGAAAGAGACCTG 2248
Db 17738 AATCAATAATPAGCTAGCTATTACTGCGAGACTATAAATCTGGATATAGAAAGAGACCTG 17797
QY 2249 TATCAAACTGCTTTGTAGTGTGTTTCAACAACTTATGACTATAAATAATCACACTGA 2308
Db 17798 TATCAAACTGCTTTGTAGTGTGTTTCAACAACTTATGACTATAAATAATCACACTGA 17857
QY 2309 ATAAGAGAGCAGGATTTGCCAGGTATTTTCTATTTCTCTCTTAAATTTTATATGATATA 2368
Db 17858 ATAAGAGAGCAGGATTTGCCAGGTATTTTCTATTTCTCTCTTAAATTTTATATGATATA 17917
QY 2369 GATATATTTGGCTTATATTTCTAAGTCACTAAGTACTTAAAGTTAAGTTGGTAAAGTAT 2428
Db 17918 GATATATTTGGCTTATATTTCTAAGTCACTAAGTACTTAAAGTTAAGTTGGTAAAGTAT 17977
QY 2429 TTAAGTCACTGCTTATAAACAATTTAAAGCAAAAGACATTTCAATAATCTGCGAAAAATA 2488
Db 17978 TTAAGTCACTGCTTATAAACAATTTAAAGCAAAAGACATTTCAATAATCTGCGAAAAATA 18037
QY 2489 TTCTAGTTTGAATATTTAAGCAATAAACTGCTAGTGAGTTATTTGT 2534
Db 18038 TTCTAGTTTGAATATTTAAGCAATAAACTGCTAGTGAGTTATTTGT 18083
```

RESULT 12

US-60-680-544-14967

; Sequence 14967, Application US/60680544

; GENERAL INFORMATION:

; APPLICANT: Cooper, Matthew

; APPLICANT: Kinch, Deborah

; APPLICANT: Rosenberg, Michael

```
; APPLICANT: Subramaniam, S. Sai
; APPLICANT: Szak, Suzanne
; APPLICANT: Li, Huo
; APPLICANT: Bandaru, Raj
; APPLICANT: Derbel, Maher
; TITLE OF INVENTION: Nucleotide Array Containing Polynucleotide Probes Complementary
; TITLE OF INVENTION: Fragments of, Cynomolgus Monkey Genes and the Use Thereof
; FILE REFERENCE: 21590290000
; CURRENT APPLICATION NUMBER: US/60/680,544
; CURRENT FILING DATE: 2005-05-13
; NUMBER OF SEQ ID NOS: 48714
; SOFTWARE: Patent Sequence Analysis Tool Version 1.0
; SEQ ID NO 14967
; LENGTH: 1402
; TYPE: DNA
; ORGANISM: Macaca Fascicularis
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(1402)
; OTHER INFORMATION: n = A,T,C or G
US-60-680-544-14967
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Query Match 34.9%; Score 883.2; DB 25; Length 1402;

Best Local Similarity 68.7%; Pred No. 3.3e-212;

Matches 967; Conservative 0; Mismatches 426; Indels 14; Gaps 5;

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QY 1095 GTACAGAAGCTGTGCATCATCAACAAATGATGTGCGACGACCTGTTTATACTCAGTG 1154
Db 1 GTACAGAAGCTGTGCATCATCAACAAATGATGTGCGACGACCAANNNTTTATACTCAGTG 60
QY 1155 ACATTTGCTTTCTAATGATGGCTCCAGCAGTGTGGAGATAGCAATTTCCGCTCATG 1214
Db 61 AACATTTGCTTTCTAATGANGGGCTCCAGCAGTGTGGAGATANNNNNNNNNNNN 120
QY 1215 CTTGAATTTGTTTCCAAATAGCAGCAAGACTTTTGAATCTCGGACATTTGGTCCGAAGATA 1274
Db 121 NNTGAATTTGTTTCCAAATAGCAGCAAGACTTTTGAATCTCGGACATTTGGTCCGAAGATA 180
QY 1275 GCTGCTGTACAGTTTACTTATGATCAGCGACGAGATTCAGTTTCACTGATATAGCAC 1334
Db 181 GCTGCTGTACAGTTTACTTATGATCAGCGACGAGATTCAGTTTCACTGATATAGCAC 240
QY 1335 AAAGAGAATGCTCTAGTGTCTATCAGAAACATCCGCTATATGAGTGTGGACAGCTACT 1394
Db 241 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 300
QY 1395 GGTGATGCCATTTCCCTTCACTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAAC 1454
Db 301 GGTGATGCCATTTCCCTTCACTGTTAGAAATGTGTTGGCCCTTATAGGGAGAGCCCAAC 360
QY 1455 AAGAACTTCTTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGCA 1514
Db 361 AAGAACTTCTTAGTAATTTGTACAGATGGGAGTCTCTATGATGATGTCCAAGGCCCTGCA 420
QY 1515 GCTGCTGCACATGATGAGGAACTACTATCTCTCTGTTGGTGGCTTGGCAGCTCTG 1574
Db 421 GNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 480
QY 1575 GATGACCTGAAAGATATGGCTTCTAAACCGAAGGAGTCTCATGCTTTCTTCAAGAGAG 1634
Db 481 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 540
QY 1635 TTCAAGGATTTAGAACCAATTTGTTCTGATGTCTATGATGATGATGATGATGATGATGAT 1694
Db 541 TTCAAGGATTTAGAACCAATTTGTTCTGATGTCTATGATGATGATGATGATGATGATGAT 600
QY 1695 GAATCCAGCAATAATGTTAATTTTGCACAACTGAAAGAAAAAGTCAAGGGGATCCAG 1754
Db 601 GAATCCAGCAATAATGTTAATTTTGCACAACTGAAAGAAAAAGTCAAGGGGATCCAG 659
QY 1755 TGTGTAATTTGTTTCTCATATACTGAAATGCTTTTAGCATACTACTAGAAATCAGATA 1814
Db 660 TGTGTAATTTGTTTCTCATATACTGAAATGCTTTTAGCATACTACTAGAAATCAGATA 719
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QY 2050 GACCAAGCAACATTCGTTCTCTAACCATTCCTGATTGATTATATATAGCAAAATGAAA 2109
Db 958 NACCAAGCAACATTCCTCTCTAACCATTCGTTCTGTTGANNNNNNNNNNNNNNNNNN 1017
QY 2110 GAGAACTTAAATGAACACAGCTCTTTAAACATGGTTCCAGTACACATATTTTGACCAAG 2169
Db 1018 NNN 1077
QY 2170 TGGATATTTTCTTAAACCAATCAAT-AATAGCTAGCTATTAATCTGCAGACTATAAAATCT 2228
Db 1078 NNN 1137
QY 2229 GGTATAGAAAGAGAGCTGTATCAAACTCTTTTGTAGTGTGTTTTCATAACAATTTAT 2288
Db 1138 GGGTATAGAAAGAGAGCTCTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN 1197
QY 2289 GACTAAATAATCACAAGTAAAGAGAGAGAGAGGATTCAGGATTTTCTATTTCTCTC 2348
Db 1198 GACTAAATAATCACAAGTAAAGAGAGAGAGGATTCAGGATTTTCTATTTCTCTC 1257
QY 2349 CTTAAATTTTATATATATATATATATTTGGCTTATATTTCAAGTCACTTAAGTAA 2408
Db 1258 CTTAAATTTTATATATATATATATATTTNNNNNNNNNNNNNNNNNNNNNNNNNN 1317
QY 2409 AAGTTAAGTTGTAAGTATTTTACTGCTCTTATAAACAATTTAAAGACAAAGACATTC 2468
Db 1318 -----AAGTTGGTAAAGTATTTTACTGCTCTTATAAACAATTTAAANNNNNN 1372
QY 2469 AATAAAGTGCAGAAAAATATTTAGT 2495
Db 1373 CTCAGGAAAAAATATGTAATGAAT 1399

RESULT 14
US-10-940-774A-29309
; Sequence 29309, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940, 774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29309
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-29309

Query Match 15.7%; Score 396.6; DB 14; Length 601;
Best Local Similarity 99.7%; Pred. No. 2.5e-89;
Matches 396; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1015 AGGCTGTCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGACCA 1074
Db 205 AGGCTGTCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGACCA 264
QY 1075 CAAATACGTAAGCCCTCTGGTACAGAAGCTGTGCATCATGAACAAATGATGTGCAGCA 1134
Db 265 CAAATACGTAAGCCCTCTGGTACAGAAGCTGTGCATCATGAACAAATGATGTGCAGCA 324
QY 1135 AGACCTGTTATAAATCAGTGAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 1194
Db 325 AGACCTGTTATAAATCAGTGAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 384

QY 1195 ATAGCAATTTCCGCTCATGCTTGAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 1254
Db 385 ATAGCAATTTCCGCTCATGCTTGAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 444
QY 1255 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTCTTACTTATCATCAGCCACGGAGTTCA 1314
Db 445 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTCTTACTTATCATCAGCCACGGAGTTCA 504
QY 1315 GTTTCACCTGACTATAGCAACCAAGAGAATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 1374
Db 505 GTTTCACCTGACTATAGCAACCAAGAGAATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 564
QY 1375 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 1411
Db 565 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 601

RESULT 15
US-10-940-774A-84641
; Sequence 84641, Application US/10940774A
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/10/940, 774A
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 84641
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-10-940-774A-84641

Query Match 15.7%; Score 396.6; DB 14; Length 601;
Best Local Similarity 99.7%; Pred. No. 2.5e-89;
Matches 396; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1015 AGGCTGTCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGACCA 1074
Db 205 AGGCTGTCTGCGGAATAATGGCTTCTCTTACCAATGCCCACTGGTTGGACCA 264
QY 1075 CAAATACGTAAGCCCTCTGGTACAGAAGCTGTGCATCATGAACAAATGATGTGCAGCA 1134
Db 265 CAAATACGTAAGCCCTCTGGTACAGAAGCTGTGCATCATGAACAAATGATGTGCAGCA 324
QY 1135 AGACCTGTTATAAATCAGTGAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 1194
Db 325 AGACCTGTTATAAATCAGTGAACATTCCTTCTAATGATGGCTCCAGCAGTGTGGAG 384
QY 1195 ATAGCAATTTCCGCTCATGCTTGAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 1254
Db 385 ATAGCAATTTCCGCTCATGCTTGAATTTGTTCCAAACATAGCCAAAGACTTTTGAATCT 444
QY 1255 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTCTTACTTATCATCAGCCACGGAGTTCA 1314
Db 445 CGGACATTTGGTCCCAAGTAGCTGTGTACAGTCTTACTTATCATCAGCCACGGAGTTCA 504
QY 1315 GTTTCACCTGACTATAGCAACCAAGAGAATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 1374
Db 505 GTTTCACCTGACTATAGCAACCAAGAGAATGTCTTAGCTGTCTATCAGAAACATCCGCTATA 564
QY 1375 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 1411
Db 565 TGAGTGGTGGAAACAGCTACTGGTGATGCCATTTTCCTT 601

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Job time : 2331 secs

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